

GenCore version 5.1.7  
Copyright (c) 1993 - 2006 Bioacceleration Ltd.

## OM protein - protein search, using sw model

Run on: March 30, 2006, 17:27:07 ; Search time 189 Seconds  
(without alignments)  
244.099 Million cell updates/sec

Title: US-10-692-299-2

Sequence: 1 MRCATRVSLMLLVTSDC.....CSRFPDGRYCSMDLNINF 105

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 2443163 seqs, 439378781 residues

Total number of hits satisfying chosen parameters: 2443163

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database :

A\_Geneseq\_21:\*  
1: geneseqp1980s:\*  
2: geneseqp1990s:\*  
3: geneseqp2000s:\*  
4: geneseqp2001s:\*  
5: geneseqp2002s:\*  
6: geneseqp2003as:\*  
7: geneseqp2003bs:\*  
8: geneseqp2004s:\*  
9: geneseqp2005s:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	589	100.0	105	3	AAy66745
2	589	100.0	105	3	AAy66745
3	589	100.0	105	4	AAy66745
4	589	100.0	105	4	AAy66745
5	589	100.0	105	4	AAy66745
6	589	100.0	105	4	AAy66745
7	589	100.0	105	4	AAy66745
8	589	100.0	105	4	AAy66745
9	589	100.0	105	4	AAy66745
10	589	100.0	105	4	AAy66745
11	589	100.0	105	4	AAy66745
12	589	100.0	105	4	AAy66745
13	589	100.0	105	4	AAy66745
14	589	100.0	105	4	AAy66745
15	589	100.0	105	4	AAy66745
16	589	100.0	105	4	AAy66745
17	589	100.0	105	4	AAy66745
18	589	100.0	105	4	AAy66745
19	589	100.0	105	4	AAy66745
20	589	100.0	105	4	AAy66745
21	589	100.0	105	4	AAy66745
22	589	100.0	105	4	AAy66745
23	589	100.0	105	4	AAy66745
24	589	100.0	105	4	AAy66745

25	589	100.0	105	6	ABU13974	Abu13974 Human PRO
26	589	100.0	105	6	ABU08800	Abu08800 Human end
27	589	100.0	105	6	ABU081104	Abu081104 Human PRO
28	589	100.0	105	6	ABU07603	Abu07603 Human ZVE
29	589	100.0	105	6	ABU72559	Abu72559 Novel hum
30	589	100.0	105	6	ABU66804	Abu66804 Human PRO
31	589	100.0	105	6	ABU59885	Abu59885 Novel sec
32	589	100.0	105	6	ABU59308	Abu59308 Human sec
33	589	100.0	105	6	ABO26005	ABO26005 Human PRO
34	589	100.0	105	6	ABO25075	ABO25075 Human sec
35	589	100.0	105	6	ABU82130	ABU82130 Novel hum
36	589	100.0	105	6	ABU59014	ABU59014 Human sec
37	589	100.0	105	6	ABU52392	ABU52392 Novel hum
38	589	100.0	105	6	ABU59457	ABU59457 Novel hum
39	589	100.0	105	6	ABU67080	ABU67080 Human sec
40	589	100.0	105	6	ABU92223	ABU92223 Novel hum
41	589	100.0	105	6	ABU10929	ABU10929 Human PRO
42	589	100.0	105	6	ABU81681	ABU81681 Novel hum
43	589	100.0	105	6	ABU88620	ABU88620 Human sec
44	589	100.0	105	6	ABO34134	ABO34134 Human PRO
45	589	100.0	105	6	ADA45989	ADA45989 Novel hum

## ALIGNMENTS

RESULT 1	AAy66745	standard; protein; 105 AA.
ID	AAy66745	
XX	AAy66745;	
AC	AAy66745;	
DT	05-APR-2000 (first entry)	
XX		Membrane-bound protein PRO1186.
DE		
XX		Membrane-bound polypeptide; PRO polypeptide; LDL receptor; TIE ligand;
KW		pharmaceutical; receptor immunoadhesin; gene mapping.
XX		
OS	Homo sapiens.	
XX		
PN	W09963088-A2.	
XX		
PD	09-DEC-1999.	
XX		
PF	02-JUN-1999;	99MO-US012252.
XX		
PR	02-JUN-1998;	98US-0087607P.
PR	02-JUN-1998;	98US-0087609P.
PR	02-JUN-1998;	98US-0087599P.
PR	03-JUN-1998;	98US-0087827P.
PR	04-JUN-1998;	98US-0088021P.
PR	04-JUN-1998;	98US-0088025P.
PR	04-JUN-1998;	98US-0088028P.
PR	04-JUN-1998;	98US-0088029P.
PR	04-JUN-1998;	98US-0088030P.
PR	04-JUN-1998;	98US-0088033P.
PR	04-JUN-1998;	98US-0088326P.
PR	05-JUN-1998;	98US-0088167P.
PR	05-JUN-1998;	98US-0088202P.
PR	05-JUN-1998;	98US-0088212P.
PR	05-JUN-1998;	98US-0088217P.
PR	09-JUN-1998;	98US-0088655P.
PR	10-JUN-1998;	98US-0088722P.
PR	10-JUN-1998;	98US-0088730P.
PR	10-JUN-1998;	98US-0088734P.
PR	10-JUN-1998;	98US-0088738P.
PR	10-JUN-1998;	98US-0088740P.
PR	10-JUN-1998;	98US-0088741P.
PR	10-JUN-1998;	98US-0088742P.
PR	10-JUN-1998;	98US-0088810P.
PR	10-JUN-1998;	98US-0088811P.
PR	10-JUN-1998;	98US-0088824P.

```

PR 10-JUN-1998; 98US-0088825P.
PR 10-JUN-1998; 98US-0088826P.
PR 11-JUN-1998; 98US-0088858P.
PR 11-JUN-1998; 98US-0088861P.
PR 11-JUN-1998; 98US-0088863P.
PR 11-JUN-1998; 98US-0088876P.
PR 12-JUN-1998; 98US-0089090P.
PR 12-JUN-1998; 98US-0089105P.
PR 15-JUN-1998; 98US-0089440P.
PR 16-JUN-1998; 98US-0089512P.
PR 16-JUN-1998; 98US-0089514P.
PR 17-JUN-1998; 98US-0089532P.
PR 17-JUN-1998; 98US-0089538P.
PR 17-JUN-1998; 98US-0089589P.
PR 17-JUN-1998; 98US-0089599P.
PR 17-JUN-1998; 98US-0089600P.
PR 17-JUN-1998; 98US-0089653P.
PR 18-JUN-1998; 98US-0089801P.
PR 18-JUN-1998; 98US-0089907P.
PR 18-JUN-1998; 98US-0089908P.
PR 19-JUN-1998; 98US-0089947P.
PR 19-JUN-1998; 98US-0089948P.
PR 19-JUN-1998; 98US-0089952P.
PR 22-JUN-1998; 98US-0090246P.
PR 22-JUN-1998; 98US-0090252P.
PR 22-JUN-1998; 98US-0090254P.
PR 22-JUN-1998; 98US-0090349P.
PR 23-JUN-1998; 98US-0090355P.
PR 24-JUN-1998; 98US-0090429P.
PR 24-JUN-1998; 98US-0090431P.
PR 24-JUN-1998; 98US-0090444P.
PR 24-JUN-1998; 98US-0090445P.
PR 24-JUN-1998; 98US-0090461P.
PR 24-JUN-1998; 98US-0090535P.
PR 24-JUN-1998; 98US-0090538P.
PR 24-JUN-1998; 98US-0090540P.
PR 24-JUN-1998; 98US-0090557P.
PR 25-JUN-1998; 98US-0090676P.
PR 25-JUN-1998; 98US-0090678P.
PR 25-JUN-1998; 98US-0090688P.
PR 25-JUN-1998; 98US-0090690P.
PR 25-JUN-1998; 98US-0090691P.
PR 25-JUN-1998; 98US-0090694P.
PR 25-JUN-1998; 98US-0090695P.
PR 25-JUN-1998; 98US-0090696P.
PR 26-JUN-1998; 98US-0090862P.
PR 26-JUN-1998; 98US-0090863P.
PR 01-JUL-1998; 98US-0091358P.
PR 01-JUL-1998; 98US-0091360P.
PR 02-JUL-1998; 98US-0091478P.
PR 02-JUL-1998; 98US-0091486P.
PR 02-JUL-1998; 98US-0091519P.
PR 02-JUL-1998; 98US-0091544P.
PR 02-JUL-1998; 98US-0091626P.
PR 02-JUL-1998; 98US-0091628P.
PR 02-JUL-1998; 98US-0091633P.
PR 02-JUL-1998; 98US-0091646P.
PR 02-JUL-1998; 98US-0091673P.
PR 07-JUL-1998; 98US-0091978P.
PR 07-JUL-1998; 98US-0091982P.
PR 09-JUL-1998; 98US-0092162P.
PR 10-JUL-1998; 98US-0092472P.
PR 20-JUL-1998; 98US-0093339P.
PR 30-JUL-1998; 98US-0094651P.
PR 04-AUG-1998; 98US-0095282P.
PR 04-AUG-1998; 98US-0095285P.
PR 04-AUG-1998; 98US-0095301P.
PR 04-AUG-1998; 98US-0095302P.
PR 04-AUG-1998; 98US-0095318P.
PR 04-AUG-1998; 98US-0095321P.
PR 04-AUG-1998; 98US-0095325P.

```

```

PR 10-AUG-1998; 98US-0095916P.
PR 10-AUG-1998; 98US-0095929P.
PR 10-AUG-1998; 98US-0096012P.
PR 11-AUG-1998; 98US-0096143P.
PR 11-AUG-1998; 98US-0096146P.
PR 12-AUG-1998; 98US-0096329P.
PR 17-AUG-1998; 98US-0096757P.
PR 17-AUG-1998; 98US-0096766P.
PR 17-AUG-1998; 98US-0096768P.
PR 17-AUG-1998; 98US-0096773P.
PR 17-AUG-1998; 98US-0096791P.
PR 17-AUG-1998; 98US-0096867P.
PR 17-AUG-1998; 98US-0096891P.
PR 17-AUG-1998; 98US-0096894P.
PR 17-AUG-1998; 98US-0096895P.
PR 17-AUG-1998; 98US-0096897P.
PR 18-AUG-1998; 98US-0096949P.
PR 18-AUG-1998; 98US-0096950P.
PR 18-AUG-1998; 98US-0096959P.
PR 18-AUG-1998; 98US-0097022P.
PR 18-AUG-1998; 98US-0097141P.
PR 19-AUG-1998; 98US-0097141P.
PR 20-AUG-1998; 98US-0097218P.
PR 24-AUG-1998; 98US-0097611P.
PR 25-AUG-1998; 98US-0097951P.
PR 26-AUG-1998; 98US-0097952P.
PR 26-AUG-1998; 98US-0097954P.
PR 26-AUG-1998; 98US-0097955P.
PR 26-AUG-1998; 98US-0097971P.
PR 26-AUG-1998; 98US-0097974P.
PR 26-AUG-1998; 98US-0097978P.
PR 26-AUG-1998; 98US-0097979P.
PR 26-AUG-1998; 98US-0097986P.
PR 26-AUG-1998; 98US-0098014P.
PR 31-AUG-1998; 98US-0098025P.
PR 16-SEP-1998; 98US-0100634P.
PR 12-JAN-1999; 98US-0115565P.

XX (GETH ) GENENTECH INC.
XX Baker K, Chen J, Goddard A, Gurney AL, Smith V, Watanabe CK;
XX PI Wood WI, Yuan J;
XX WPI: 2000-072883/06.
XX DR N-PSDB; AA265091.
XX Membrane-bound proteins and related nucleotide sequences.
XX PS Claim 12; Fig 266; 822pp; English.
XX CC The invention provides membrane-bound PRO polypeptides and
XX CC polynucleotides encoding them. The PRO sequences of the invention were
XX CC identified based on extracellular domain homology screening. The PRO
XX CC sequences have homology with proteins including LDL receptors, TIE
XX CC ligands and various enzymes. The membrane-bound proteins and receptor
XX CC molecules are useful as pharmaceutical and diagnostic agents. Receptor
XX CC immunoadhesins, for instance, can be used as therapeutic agents to block
XX CC receptor-ligand interactions. The membrane-bound proteins can also be
XX CC employed for screening of potential peptide or small molecule inhibitors
XX CC of the relevant receptor/ligand interaction. The PRO encoding sequences
XX CC are useful as hybridization probes, in chromosome and gene mapping and in
XX CC the generation of antisense RNA and DNA. PRO nucleic acid sequences will
XX CC also be useful for the preparation of PRO polypeptides, especially by
XX CC recombinant techniques
XX SQ Sequence 105 AA;
XX
Query Match 100.0%; Score 589; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No.3.8e-54;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
1 MGGATVSIIMLLVTSDCAVITGACERDVCAGTCCAIISLWIRGLRMCTPLGRGEECC 60
|||||

```

Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCTCAISLWLRGIMCTPIGRREBEC 60  
 QY 61 HPGSHKVPFPRKRKHTCPCLPNLLCSRFPDGRYRCMDLKNINF 105  
 61 HPGSHKVPFPRKRKHTCPCLPNLLCSRFPDGRYRCMDLKNINF 105  
 Db 61 HPGSHKVPFPRKRKHTCPCLPNLLCSRFPDGRYRCMDLKNINF 105  
 RESULT 2  
 AAB18453 ID AAB18453 standard; protein; 105 AA.  
 AC AAB18453;  
 DE 15-JAN-2001 (first entry)  
 XX A human TANGO 266 polypeptide.  
 XX TANGO 266; TANGO 216; TANGO 261; TANGO 262; TANGO 267;  
 KM cellular proliferation; cellular differentiation; cellular adhesion;  
 KM von Willebrand factor-associated disorder; cell trafficking; cancer;  
 KM hematopoietic associated disease; atelectasis; pulmonary congestion;  
 KM oedema; emphysema; chronic bronchitis; bronchial asthma; bronchiectasis;  
 KM intestinal disorder; spleen associated disease; renal disorder;  
 KM cardiovascular disorder; ischemic heart disease; hydrocephalus;  
 KM brain herniation; iatrogenic disease; inflammation; meningitis;  
 KM Alzheimer's Disease; cerebral toxoplasmosis; Parkinson's disease;  
 KM multiple sclerosis; hydrocephalus; encephalitis; hepatic disorder.  
 OS Homo sapiens.  
 XX  
 FH Key Location/Qualifiers  
 FT Peptide 1..19  
 FT Protein /note= "signal sequence"  
 FT Protein 20..106  
 FT Protein /note= "mature protein"  
 XX  
 PN W0200052022-A1.  
 XX  
 PD 08-SEP-2000.  
 PD  
 PF 01-MAR-2000; 2000WO-US005226.  
 PF  
 PR 01-MAR-1999; 99US-0122458P.  
 PR  
 XX (MILL-) MILLENNIUM PHARM INC.  
 PA  
 PI Barnes TM, Holtzman DA, Sharp JD, Fraser CC;  
 PI  
 XX WPI; 2000-579269/54.  
 DR N-PSDB; AAA75155.  
 XX  
 XX Novel human and murine secreted proteins designated TANGO 216, 261, 262,  
 PT 266 and 267 useful as modulating agents of cellular processes, e.g. for  
 PT treating cancer.  
 XX  
 XX Claim 8; Fig 14; 175pp; English.  
 PS  
 XX The present sequence represents a human TANGO 266 polypeptide. The  
 CC specification also describes TANGO 262, TANGO 216, TANGO 261, and TANGO  
 CC 267. The TANGO polypeptides can be used to modulate cellular  
 CC proliferation, modulate cellular differentiation and/or modulate cellular  
 CC adhesion. The proteins can be used to treat any von Willebrand factor-  
 CC associated disorder, regulate extracellular matrix structuring, cellular  
 CC adhesion, and cell trafficking and/or migration, modulate cellular  
 CC interactions, modulate cell adhesion in proliferative disorders, such as  
 CC cancer, modulate the proliferation, differentiation, and/or function of  
 CC cells that appear in the bone marrow, and leukocytes, treat bone marrow,  
 CC blood and hematopoietic associated diseases and disorders, atelectasis,  
 CC pulmonary congestion or oedema, emphysema, chronic bronchitis, bronchial  
 CC asthma and bronchiectasis, intestinal disorders, spleen associated  
 CC diseases, modulate renal disorders, treat cardiovascular disorders such  
 CC as ischemic heart disease, modulate the proliferation, differentiation,  
 CC and/or function of bone and cartilage cells and to treat bone and/or

CC cartilage associated diseases or disorder. They may also be used to treat  
 CC disorders associated with the ovaries, cerebral oedema, hydrocephalus,  
 CC brain herniations, iatrogenic disease, inflammations, bacterial and viral  
 CC meningitis, Alzheimer's Disease, cerebral toxoplasmosis, Parkinson's  
 CC disease, multiple sclerosis, brain cancers, hydrocephalus and  
 CC encephalitis, and treat hepatic disorders  
 XX  
 SQ Sequence 105 AA;  
 Query Match 100.0%; Score 589; DB 3; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 3.8e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCTCAISLWLRGIMCTPIGRREBEC 60  
 Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCTCAISLWLRGIMCTPIGRREBEC 60  
 QY 61 HPGSHKVPFPRKRKHTCPCLPNLLCSRFPDGRYRCMDLKNINF 105  
 61 HPGSHKVPFPRKRKHTCPCLPNLLCSRFPDGRYRCMDLKNINF 105  
 Db 61 HPGSHKVPFPRKRKHTCPCLPNLLCSRFPDGRYRCMDLKNINF 105  
 RESULT 3  
 AAB70148 ID AAB70148 standard; protein; 105 AA.  
 XX  
 AC AAB70148;  
 XX  
 DT 29-MAY-2001 (first entry)  
 XX  
 DE Human G protein-coupled receptor protein-related sequence #4.  
 XX  
 KM Human; G protein-coupled receptor protein; nocotropic; neuroprotective;  
 KM hypotensive; orexigenic; antiallergic; antianginal; antimicrobial;  
 KM antibacterial; gene therapy; Alzheimer's disease; hypertension; anorexia;  
 KM allergy; angina pectoris; infection; MRSA;  
 KM multiple resistant Staphylococcus aureus.  
 KM  
 XX Homo sapiens.  
 OS  
 XX W0200116309-A1.  
 PN  
 PD 08-MAR-2001.  
 PD  
 PF 24-AUG-2000; 2000WO-JP005685.  
 PF  
 PR 27-AUG-1999; 99JP-00241531.  
 PR 18-JUL-2000; 2000JP-00217474.  
 PR  
 XX (TAKA ) TAKEDA CHEM IND LTD.  
 PA  
 PI Watanabe T, Terao Y, Shintani Y;  
 PI  
 XX WPI; 2001-226684/23.  
 DR  
 XX  
 XX New human brain-originated guanosine triphosphate protein-coupled  
 PT receptor protein, its salt and encoded gene, useful in (gene) diagnosis  
 PT and development of preventives and remedies for Alzheimer's disease,  
 PT hypertension and anorexia.  
 XX  
 XX Example 4; Page 113; 119pp; Japanese.  
 PS  
 XX The present sequence is provided in a specification relating to a protein  
 CC or its salt with an amino acid sequence identical or substantially  
 CC similar to a fully defined sequence of 393 amino acids as given in the  
 CC specification. The protein is useful in gene diagnosis and development of  
 CC preventives and remedies for diseases associated with dysfunction of the  
 CC protein, e.g. Alzheimer's disease, hypertension, anorexia, allergy,  
 CC angina pectoris and infections (e.g. multiple resistant Staphylococcus  
 CC aureus). The proteins and DNA encoding the proteins are also useful for,  
 CC the treatment of these diseases by gene therapy  
 XX  
 SQ Sequence 105 AA;

Query Match 100.0%; Score 589; DB 4; Length 105;  
Best Local Similarity 100.0%; Pred. No. 3.8e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCAIISLWLRGLRMCTPLGRGESEC 60  
DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCAIISLWLRGLRMCTPLGRGESEC 60  
QY 61 HPGSHKVPFPRKRRKHTCPCPLNLLCSRPDPGRYRCMDLKNINF 105  
DB 61 HPGSHKVPFPRKRRKHTCPCPLNLLCSRPDPGRYRCMDLKNINF 105

RESULT 4  
AAB68427  
ID AAB68427 standard; protein; 105 AA.  
XX  
AC AAB68427;  
XX  
DT 23-JUL-2001 (first entry)  
XX  
DE Amino acid sequence of a human Zven2 polypeptide.  
XX  
Zven1; 3p21.1; 3p14.3; Zven2; small cell lung cancer; wound healing;  
KM antitumour; antiinflammatory; necrosis; tissue growth; digestive enzyme;  
KM cellular differentiation; gastrointestinal cell contractility;  
KM gastrointestinal motility; inflammation; hypermotility; diarrhoea;  
KM Crohn's disease.  
XX  
OS Homo sapiens.  
XX  
PN WO200136465-A2.  
XX  
PD 25-MAY-2001.  
XX  
PF 14-NOV-2000; 2000MO-US031278.  
XX  
PR 16-NOV-1999; 99US-00442164.  
PR 25-FEB-2000; 2000US-00511879.  
PR 19-APR-2000; 2000US-00552203.  
PR 07-JUN-2000; 2000US-0210332P.  
XX  
PA (ZYMO ) ZYMOGENETICS INC.  
XX  
PI Sheppard PO, Bishop PD, Whitmore TE, Thompson PP;  
XX  
DR N-PSDB; AAF85427.  
XX  
PT Novel isolated Zven polypeptide useful for inhibiting proliferation of  
PT tumor cells, for treating small cell cancer of lung, to promote wound  
PT healing, and for treating Crohn's disease and diarrhea.  
XX  
PS Claim 27; Page 4; 98pp; English.  
XX  
The present sequence represents a human Zven2 polypeptide. The  
CC specification also describes Zven1. The Zven1 gene is present on  
CC chromosome 3p21.1-3p14.3. The specification also describes Zven2. Zven  
CC polynucleotides and polypeptides are useful in veterinary and human  
CC therapeutics, for treating small cell cancer of the lung, to promote  
CC wound healing, to prevent or to treat an adverse reaction of the skin to  
CC a skin-sensitizing agent or a skin-irritating agent, to stimulate the  
CC immune system of an immunocompromised individual, as antitumour agents,  
CC as antiinflammatory agents, as agents to regulate regeneration or  
CC remodeling of tissue, as agents to modulate necrosis or tissue growth  
CC developmental arrest, to inhibit proliferation of tumour cells, cellular  
CC differentiation and necrosis, to treat disorders associated with  
CC gastrointestinal cell contractility, secretion of digestive enzymes and  
CC acids, gastrointestinal motility, recruitment of digestive enzymes,  
CC inflammation, and conditions associated with hypermotility such as  
XX diarrhoea and Crohn's disease

SQ Sequence 105 AA;  
Query Match 100.0%; Score 589; DB 4; Length 105;  
Best Local Similarity 100.0%; Pred. No. 3.8e-54;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCAIISLWLRGLRMCTPLGRGESEC 60  
DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCAIISLWLRGLRMCTPLGRGESEC 60  
QY 61 HPGSHKVPFPRKRRKHTCPCPLNLLCSRPDPGRYRCMDLKNINF 105  
DB 61 HPGSHKVPFPRKRRKHTCPCPLNLLCSRPDPGRYRCMDLKNINF 105

RESULT 5  
AAU12406  
ID AAU12406 standard; protein; 105 AA.  
XX  
AC AAU12406;  
XX  
DT 24-OCT-2001 (first entry)  
XX  
DE Human PRO1186 polypeptide sequence.  
XX  
Human secretory and transmembrane; PRO; mammalian; cancer; lung; breast;  
KM prostate; cervical; tumour necrosis factor-alpha; TNF-alpha; cartilage;  
KM ear; proliferation; glucose; free fatty acid; skeletal muscle; adipocyte;  
KM A-peptide; factor VIIa; gene therapy.  
XX  
OS Homo sapiens.  
XX  
PN WO200140466-A2.  
XX  
PD 07-JUN-2001.  
XX  
PF 01-DEC-2000; 2000MO-US032678.  
XX  
PR 01-DEC-1999; 99MO-US028301.  
PR 01-DEC-1999; 99MO-US028634.  
PR 02-DEC-1999; 99MO-US028551.  
PR 02-DEC-1999; 99MO-US028564.  
PR 02-DEC-1999; 99MO-US028565.  
PR 09-DEC-1999; 99US-0170262P.  
PR 16-DEC-1999; 99MO-US030095.  
PR 20-DEC-1999; 99MO-US030911.  
PR 20-DEC-1999; 99MO-US030999.  
PR 30-DEC-1999; 99MO-US031243.  
PR 30-DEC-1999; 99MO-US031274.  
PR 05-JAN-2000; 2000MO-US000219.  
PR 06-JAN-2000; 2000MO-US000277.  
PR 06-JAN-2000; 2000MO-US000376.  
PR 11-FEB-2000; 2000MO-US003565.  
PR 18-FEB-2000; 2000MO-US004341.  
PR 18-FEB-2000; 2000MO-US004414.  
PR 24-FEB-2000; 2000MO-US004914.  
PR 24-FEB-2000; 2000MO-US005004.  
PR 01-MAR-2000; 2000MO-US005601.  
PR 03-MAR-2000; 2000MO-US005841.  
PR 03-MAR-2000; 2000US-0187202P.  
PR 10-MAR-2000; 2000MO-US006319.  
PR 15-MAR-2000; 2000MO-US006884.  
PR 20-MAR-2000; 2000MO-US007377.  
PR 21-MAR-2000; 2000MO-US007532.  
PR 30-MAR-2000; 2000MO-US008439.  
PR 17-MAY-2000; 2000MO-US013705.  
PR 22-MAY-2000; 2000MO-US014042.  
PR 30-MAY-2000; 2000MO-US014941.  
PR 02-JUN-2000; 2000MO-US015264.  
PR 05-JUN-2000; 2000US-0209832P.  
PR 28-JUL-2000; 2000MO-US020710.  
PR 11-AUG-2000; 2000MO-US022031.

PR 23-AUG-2000; 2000MO-US023522.  
 PR 24-AUG-2000; 2000MO-US023328.  
 PR 08-NOV-2000; 2000MO-US030952.  
 PR 10-NOV-2000; 2000MO-US030873.  
 XX  
 PA (GETH ) GENENTECH INC.  
 XX  
 PI Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W,  
 PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S,  
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;  
 DR WPI: 2001-408281/43.  
 DR N-PSDB; AAS21478.  
 XX  
 PT Isolated, secretory and transmembrane PRO polypeptide used to detect  
 PT other PRO polypeptides, link bioactive molecules to cells expressing PRO  
 PT polypeptides, and detect the presence of mammalian tumors e.g. lung,  
 PT breast, prostate, cervical.  
 XX  
 PS Claim 12, Fig 470; 813pp; English.  
 XX  
 CC AAU12172-AAU12446 represent novel human secretory and transmembrane PRO  
 CC polypeptides. The PRO polypeptides are useful to detect other PRO  
 CC polypeptides, to link bioactive molecules to cells expressing PRO  
 CC polypeptides, to modulate biological activities of cells expressing PRO  
 CC polypeptides, and to detect the presence of mammalian lung, colon,  
 CC breast, prostate, rectal, cervical or liver tumours by comparing PRO  
 CC polypeptide expression in a cell sample to that in a control sample. Some  
 CC of the 275 sequences are also useful to stimulate the release of tumour  
 CC necrosis factor-alpha (TNF-alpha) from human blood, the proliferation or  
 CC differentiation of chondrocytes, the proliferation or gene expression in  
 CC pericyte cells, the release of proteoglycans from cartilage, the  
 CC proliferation of inner ear utricular supporting cells or of T-  
 CC lymphocytes, the release of a cytokine from peripheral blood monocytes  
 CC (PBMCs), or the proliferation of endothelial cells. Some of the PRO  
 CC polypeptides may modulate glucose or free fatty acid uptake by skeletal  
 CC muscle cells or by adipocytes; or inhibit binding of A-peptide to factor  
 CC VIIA. The PRO polypeptides can be used in assays to identify molecules  
 CC involved in binding interactions. The polynucleotides encoding PRO  
 CC polypeptides can be used to generate probes, antisense RNA/DNA,  
 CC transgenic or knock out animals and can be used in gene therapy  
 CC  
 SQ Sequence 105 AA;  
 Query Match 100.0%; Score 589; DB 4; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 3.8e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVOCGAGTCCALSLWRLGRLMCTPLRGEGEC 60  
 DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVOCGAGTCCALSLWRLGRLMCTPLRGEGEC 60  
 QY 61 HPGSHKVPFPRKRKHHTPCPLNLCSRFPPDGRGRCSMDLNINP 105  
 DB 61 HPGSHKVPFPRKRKHHTPCPLNLCSRFPPDGRGRCSMDLNINP 105  
 RESULT 6  
 AAB53096  
 ID AAB53096 standard; protein, 105 AA.  
 XX  
 AC AAB53096;  
 XX  
 DT 28-FEB-2001 (first entry)  
 XX  
 XX Human angiogenesis-associated protein PRO1186, SEQ ID NO:165.  
 XX  
 KW Human; angiogenesis-associated protein; PRO; endothelial cell growth;  
 KW cardiac hypertrophy; cardiovascular disorder; endothelial disorder;  
 KW angiogenic disorder; atherosclerosis; osteoporosis; hypertension;  
 KW myocardial infarction; diabetic retinopathy; rheumatoid arthritis;  
 KW Crohn's disease; psoriasis; endometriosis; ulcer; wound healing; cancer;  
 KW Alzheimer's disease; Huntington's disease; stroke; drug screening;  
 KW

KW gene therapy; transgenic animal.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200053753-A2.  
 XX  
 PD 14-SEP-2000.  
 XX  
 PF 05-JAN-2000; 2000MO-US000219.  
 XX  
 PR 08-MAR-1999; 99MO-US005028.  
 PR 12-MAR-1999; 99US-0123957P.  
 PR 14-MAY-1999; 99US-0134287P.  
 PR 02-JUN-1999; 99MO-US012252.  
 PR 23-JUN-1999; 99US-0141037P.  
 PR 20-JUL-1999; 99US-0144758P.  
 PR 26-JUL-1999; 99US-0145698P.  
 PR 01-SEP-1999; 99MO-US020111.  
 PR 08-SEP-1999; 99MO-US020594.  
 PR 15-SEP-1999; 99MO-US021090.  
 PR 15-SEP-1999; 99MO-US021547.  
 PR 05-OCT-1999; 99MO-US023089.  
 PR 30-NOV-1999; 99MO-US028313.  
 PR 30-NOV-1999; 99MO-US028409.  
 PR 02-DEC-1999; 99MO-US028564.  
 PR 02-DEC-1999; 99MO-US028565.  
 XX  
 PA (GETH ) GENENTECH INC.  
 XX  
 PI Ashkenazi AJ, Baker KP, Ferrara N, Gerber H, Goddard A;  
 PI Godowski PJ, Gurney AL, Hillan KJ, Kuo SS, Mark MR, Maresers SA;  
 PI Paoni NF, Platt RM, Watanabe CK, Williams PM, Wood WI;  
 DR WPI: 2001-090793/10.  
 DR N-PSDB; AAC97496.  
 XX  
 PT New isolated nucleic acid for producing a PRO polypeptide, analyzing  
 PT genetic disorders and treating cardiovascular, endothelial or angiogenic  
 PT disorders, such as atherosclerosis, wounds or cancer.  
 XX  
 XX Claim 69; Fig 66; 293pp; English.  
 XX  
 CC The invention relates to novel human angiogenesis-associated proteins  
 CC designated PRO proteins (AAB53064-B53097), and to nucleic acids encoding  
 CC PRO proteins. The invention also relates to vectors and host cells  
 CC comprising a PRO nucleic acid, the recombinant production of a PRO  
 CC protein, PRO antibodies specific for a PRO protein, fusion proteins  
 CC comprising a PRO protein, agonists or antagonists of a PRO protein, and  
 CC compounds which inhibit the expression of a PRO gene. The invention  
 CC additionally encompasses methods of identifying modulators of PRO  
 CC expression or activity; diagnosing a cardiovascular, endothelial or  
 CC angiogenic disorder, or a susceptibility to such a disorder by detecting  
 CC mutations in a PRO gene, or the expression level of a PRO gene within a  
 CC particular tissue; treating a cardiovascular, endothelial or angiogenic  
 CC disorder via the administration of a PRO protein, PRO nucleic acid, or  
 CC PRO agonist or antagonist; a retroviral gene therapy vector comprising a  
 CC PRO nucleic acid; and methods of inhibiting or stimulating endothelial  
 CC cell growth, cardiac hypertrophy or PRO-induced angiogenesis via the  
 CC administration of a PRO protein, or an agonist or antagonist thereof. PRO  
 CC nucleic acids, PRO proteins, antibodies against PRO proteins, PRO  
 CC agonists and PRO antagonists may be used as therapeutic agents to treat  
 CC cardiovascular, endothelial or angiogenic disorders, such as  
 CC atherosclerosis, osteoporosis, myocardial infarction, hypertension,  
 CC diabetic retinopathy, rheumatoid arthritis, Crohn's disease, psoriasis,  
 CC endometriosis, ulcers, wounds, cancer, Alzheimer's disease, Huntington's  
 CC disease, or stroke. PRO nucleic acids are additionally useful in the  
 CC recombinant production of PRO proteins, as hybridisation probes to screen  
 CC libraries to isolate cDNAs with sequence identity to PRO proteins, to map  
 CC genes encoding PRO proteins, to analyse genetic disorders, and in gene  
 CC therapy. PRO nucleic acids can also be used to produce transgenic animals  
 CC useful for the development and screening of potential therapeutic agents.  
 CC The present sequence represents a PRO protein of the invention  
 CC

SQ Sequence 105 AA;

Query Match 100.0%; Score 589; DB 4; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 3.8e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCALISLMLRGLRMCTPLGRGEGEC 60  
 Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCALISLMLRGLRMCTPLGRGEGEC 60

Qy 61 HPGSHKVPFFPKRKGHHTCPCLPMLLCGRFPDGRYRCMDLKNINF 105  
 Db 61 HPGSHKVPFFPKRKGHHTCPCLPMLLCGRFPDGRYRCMDLKNINF 105

RESULT 7  
 AAB65268  
 ID AAB65268 standard; protein; 105 AA.

AC AAB65268;

XX 02-APR-2001 (first entry)

DE Human PRO1186 (UNQ600) protein sequence SEQ ID NO:371.

XX Human; secreted and transmembrane protein; PRO; cytosstatic; cell death;  
 KW cancer; chromosomal mapping; gene mapping; tissue typing;  
 KM diagnostic assay.

XX Homo sapiens.

OS Wo200073454-A1.

PN Wo200073454-A1.

XX 07-DEC-2000.

XX 30-MAR-2000; 2000WO-US008439.

XX 02-JUN-1999; 99WO-US012252.  
 PR 23-JUN-1999; 99US-0141037P.  
 PR 07-JUL-1999; 99US-0143048P.  
 PR 20-JUL-1999; 99US-0144758P.  
 PR 26-JUL-1999; 99US-0145698P.  
 PR 28-JUL-1999; 99US-0146222P.  
 PR 17-AUG-1999; 99US-0149396P.  
 PR 15-SEP-1999; 99WO-US021090.  
 PR 15-SEP-1999; 99WO-US021547.  
 PR 08-OCT-1999; 99US-0158663P.  
 PR 30-NOV-1999; 99WO-US028313.  
 PR 01-DEC-1999; 99WO-US028301.  
 PR 16-DEC-1999; 99WO-US030095.  
 PR 20-DEC-1999; 99WO-US030911.  
 PR 05-JAN-2000; 2000WO-US000219.  
 PR 06-JAN-2000; 2000WO-US000376.  
 PR 11-FEB-2000; 2000WO-US003565.  
 PR 18-FEB-2000; 2000WO-US004341.  
 PR 22-FEB-2000; 2000WO-US004414.  
 PR 24-FEB-2000; 2000WO-US004914.  
 PR 24-FEB-2000; 2000WO-US005004.  
 PR 02-MAR-2000; 2000WO-US005841.  
 PR 15-MAR-2000; 2000WO-US006884.  
 PR 20-MAR-2000; 2000WO-US007377.

XX (SETH ) GENENTECH INC.

XX Ashkenazi AJ, Baker KP, Botstein D, Desnovers L, Eaton DL,  
 PI Ferrara N, Fong S, Godber H, Gerltzen MB, Goddard A, Godowski PJ,  
 PI Grimaldi CJ, Gurney AL, Kljavin IJ, Napier MA, Pan J, Paoni NF,  
 PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI,  
 PI Zhang Z;  
 XX WPI; 2001-032160/04.  
 DR N-PSDB; AAF44237.  
 XX

PT PRO polynucleotides used to produce polypeptides used to target bioactive  
 PT molecules such as toxins, radiolabels or antibodies, to specific cells,  
 PT to cause targeted cell death.

XX Claim 12; Fig 266; 935pp; English.

XX The present invention describes human secreted and transmembrane PRO  
 CC proteins. The PRO proteins have cytosstatic activity. The PRO proteins can  
 CC be used for targeted delivery of bioactive molecules, such as toxins,  
 CC radiolabels or antibodies, that cause cell death. PRO nucleotide  
 CC sequences, and their fragments, can be used as hybridisation probes, in  
 CC chromosomal and gene mapping, and in the generation of anti-sense RNA and  
 CC DNA. They may also be used to produce transgenic animals which are used  
 CC to develop and screen therapeutically useful reagents. The PRO nucleotide  
 CC and protein sequence can be used for tissue typing and in treating  
 CC cancer. Anti-PRO antibodies can be used in diagnostic assays. AAF44270 to  
 CC AAF44470 represent PCR primers and hybridisation probes used in the  
 CC isolation of human PRO sequences. AAF44087 to AAF44269 and AAB65154 to  
 CC AAB65300 represent human PRO polynucleotide and protein sequences given  
 CC in the exemplification of the present invention

XX SQ Sequence 105 AA;

Query Match 100.0%; Score 589; DB 4; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 3.8e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCALISLMLRGLRMCTPLGRGEGEC 60  
 Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCALISLMLRGLRMCTPLGRGEGEC 60

Qy 61 HPGSHKVPFFPKRKGHHTCPCLPMLLCGRFPDGRYRCMDLKNINF 105  
 Db 61 HPGSHKVPFFPKRKGHHTCPCLPMLLCGRFPDGRYRCMDLKNINF 105

RESULT 8  
 AAB48175  
 ID AAB48175 standard; protein; 105 AA.

AC AAB48175;

XX 02-APR-2001 (first entry)

DE Human PRO1186 polypeptide.

XX PRO1186; neoplastic; cell growth; tumour; cancer; breast;  
 KW ovarian; renal; colorectal; uterine; prostate; lung; melanoma;  
 KW central nervous system; leukemia; antitumor; cytosstatic.

XX Homo sapiens.

OS

XX Key Location/Qualifiers  
 FH Peptide 1..19  
 FT /note="signal sequence"  
 FT 20..105  
 FT Protein /note="mature protein"  
 FT Modified-site 33..39  
 FT /note="N-myristoylation site"  
 FT Modified-site 35..41  
 FT /note="N-myristoylation site"  
 FT Modified-site 46..52  
 FT /note="N-myristoylation site"  
 FT Modified-site 88..95  
 FT /note="tyrosine kinase phosphorylation site"

XX WPI; 2001-032160/04.  
 DR N-PSDB; AAF44237.  
 XX

PR 26-JUL-1999; 99US-0145698P.  
 PR 05-JAN-2000; 2000MO-US000219.  
 XX (GETH ) GENENTECH INC.  
 XX  
 PI Ashkenazi AJ, Hillan KJ, Napier MA, Watanabe CK, Wood WI;  
 XX WPI; 2001-071078/08.  
 DR N-PSDB; AAC84469.  
 XX  
 PT Compositions for inhibiting neoplastic cell growth and treating tumor, a  
 PT cancer, comprises novel PRO186 or PRO184 polypeptides or its agonist.  
 XX  
 PS Claim 31; Fig 2; 104pp; English.  
 XX  
 CC The invention provides PRO186 and PRO184 polypeptides that can be used  
 CC for the inhibition of neoplastic cell growth and for treating tumours.  
 CC The PRO polypeptides can be expressed by standard recombinant  
 CC methodology. The PRO polypeptides or their agonists are useful for  
 CC inhibition of neoplastic cell growth and for treating tumours, cancers  
 CC such as breast, ovarian, renal, colorectal, uterine, prostate, lung,  
 CC bladder or central nervous system cancers or melanoma and leukemia. The  
 CC present sequence represents the human PRO186 polypeptide (encoding cDNA  
 CC clone ID: DNM60621-1516)  
 CC  
 SQ Sequence 105 AA;  
 Query Match 100.0%; Score 589; DB 4; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 3.8e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCALISLWRLGRLMCTPLGRBEGEC 60  
 DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCALISLWRLGRLMCTPLGRBEGEC 60  
 QY 61 HPGSHKVPFPRKRKHTCPCLPNILCSRFPGDGRYRCMDLNINP 105  
 DB 61 HPGSHKVPFPRKRKHTCPCLPNILCSRFPGDGRYRCMDLNINP 105  
 RESULT 9  
 AAB48067  
 ID AAB48067 standard; protein; 105 AA.  
 AC AAB48067;  
 XX  
 DT 19-MAR-2001 (first entry)  
 XX  
 DE Human extracellular signaling molecule (EXCS) (ID 2006548CD1).  
 XX  
 KW Extracellular signaling molecule; EXCS; anti-inflammatory; human;  
 KW immunosuppressive; cytostatic; neuroprotective; gastrointestinal;  
 KW vitucide; antibacterial; anti-HIV; human immunodeficiency virus;  
 KW antifertility; cerebroprotective; nootropic; antitumor; antifungal;  
 KW anticonvulsant; tranquilizer; neuroleptic; vasodilator; gynecological;  
 KW keratolytic; protozoacide; gene therapy.  
 KW  
 XX Homo sapiens.  
 OS  
 XX  
 PN WO200070049-A2.  
 PD 23-NOV-2000.  
 XX  
 PF 19-MAY-2000; 2000MO-US013975.  
 XX  
 PR 19-MAY-1999; 99US-0134949P.  
 PR 15-JUL-1999; 99US-0144270P.  
 PR 30-JUL-1999; 99US-0146700P.  
 PR 04-OCT-1999; 99US-0157508P.  
 XX  
 PA (INCY-) INCYTE GENOMICS INC.  
 XX  
 PI Tang YT, Yue H, Lal P, Burford N, Bandman O, Baughn MR;

PI Azimzai Y, Lu DAM, Patterson C;  
 XX  
 DR WPI; 2001-025021/03.  
 DR N-PSDB; AAC84303.  
 XX  
 PT New human extracellular signaling nucleic acids and polypeptides useful  
 PT for diagnosing, treating and preventing infections and gastrointestinal,  
 PT neurological, reproductive, and autoimmune/inflammatory disorders.  
 XX  
 PS Claim 1; Page 89; 114pp; English.  
 XX  
 CC The invention provides human extracellular signaling molecules (EXCS) and  
 CC polynucleotides which identify and encode EXCS. EXCS can be expressed by  
 CC standard recombinant methodology. The amino acid and nucleic acid  
 CC sequences of EXCS are useful for diagnosing, treating and preventing  
 CC infections and gastrointestinal (peptic ulcer, dysphagia, pancreatitis),  
 CC neurological (e.g. epilepsy, ischemic cerebrovascular disease, stroke),  
 CC reproductive (infertility, ovulatory defects, endometriosis), autoimmune  
 CC /inflammatory (actinic keratosis, acquired immunodeficiency syndrome  
 CC (AIDS), Addison's disease), and cell proliferative disorders including  
 CC cancers (of the breast, adrenal gland, bone). They may also be used to  
 CC treat fatal familial insomnia, nutritional and metabolic diseases of the  
 CC nervous system, myopathies, mental disorders (anxiety, schizophrenia,  
 CC mood), as well as infections caused by parasites (malaria, leishmania,  
 CC trypanosoma), viral (adenovirus, coronavirus, flavivirus), bacterial  
 CC (e.g. pneumococcus, staphylococcus, bacillus), and fungal (aspergillus,  
 CC blastomycosis, dermatophytes) agents. The nucleic acids, polypeptides,  
 CC antagonists, agonists, pharmaceutical compositions, and antibodies may  
 CC also be used for treating or preventing disorders associated with  
 CC increased or decreased expression or activity of EXCS. EXCS  
 CC polynucleotides may also be used to detect and quantify gene expression  
 CC in biopsied tissues in which expression of EXCS may be correlated with  
 CC the disease, to determine presence or excess expression of EXCS, to  
 CC monitor regulation of EXCS levels during therapeutic intervention, to  
 CC detect the presence of associated disorders, as targets in microarray, to  
 CC generate hybridization probes, and to detect differences in gene  
 CC sequences among normal, carrier or affected individuals. Antibodies may  
 CC also be used in diagnosing disorders, in monitoring patients being  
 CC treated with EXCS agonists, antagonists or inhibitors. Sequences AAB48057  
 CC -B48082 represent the EXCS of the invention  
 CC  
 SQ Sequence 105 AA;  
 Query Match 100.0%; Score 589; DB 4; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 3.8e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCALISLWRLGRLMCTPLGRBEGEC 60  
 DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCALISLWRLGRLMCTPLGRBEGEC 60  
 QY 61 HPGSHKVPFPRKRKHTCPCLPNILCSRFPGDGRYRCMDLNINP 105  
 DB 61 HPGSHKVPFPRKRKHTCPCLPNILCSRFPGDGRYRCMDLNINP 105  
 RESULT 10  
 AAM50773  
 ID AAM50773 standard; protein; 105 AA.  
 AC AAM50773;  
 XX  
 DT 23-APR-2002 (first entry)  
 XX  
 DE Endocrine gland-derived vascular endothelial growth factor.  
 XX  
 KW Endocrine gland-derived vascular endothelial growth factor; EG-VEGF;  
 KW human, cell proliferation; cell migration; fenestration;  
 KW cell differentiation; angiogenesis; chemotaxis; endocrine; infertility;  
 KW fertility; polycystic ovary syndrome; ovarian cyst; cancer; cytostatic;  
 KW diagnosis; therapy.  
 KW  
 XX Homo sapiens.  
 OS

```

XX Key Location/Qualifiers
FH Peptide 1..19
FT /label= signal_peptide
FT Protein 20..105
FT /label= Mature_protein
FT Modified-site 33
FT /note= "N-myristoylated"
FT Modified-site 35
FT /note= "N-myristoylated"
FT Modified-site 46
FT /note= "N-myristoylated"
XX WO200200711-A2.
XX 03-JAN-2002.
XX 22-JUN-2001; 2001WO-US020116.
XX 23-JUN-2000; 2000US-0213637P.
XX 07-SEP-2000; 2000US-0230978P.
XX 01-DEC-2000; 2000WO-US032678.
XX (GETH ) GENENTECH INC.
XX Ferrara N, Watanabe C, Wood WI;
XX WPI; 2002-130882/17.
XX N-PSDB; ABA91567.
XX New endocrine gland-vascular endothelial growth factor (EG-VEGF)
XX polypeptides, agonists and antagonists, useful for regulating fertility,
XX and for treating cancer of the reproductive organs, e.g. ovarian or
XX prostate cancer.
XX Claim 12; Fig 2; 133pp; English.
XX The present sequence is that of a novel, tissue-restricted, growth and
XX differentiation factor termed endocrine gland-derived vascular
XX endothelial growth factor (EG-VEGF). The sequence is predicted from the
XX open reading frame of a cDNA clone (see ABA91567) obtained from an
XX ovarian tissue library. EG-VEGF induces proliferation, migration and
XX fenestrations in capillary endothelial cells derived from endocrine
XX glands, but has no effect on a variety of other endothelial and non-
XX endothelial cell types tested. The EG-VEGF precursor has a predicted
XX mol.wt. of 11715 and a pI of 9.05. The mature protein (mol.wt. 8600) is
XX cysteine-rich and is predicted to consist of a series of short beta
XX strands with large connecting loops held together by disulfide bonds
XX resulting in a flat fold with finger-like projections that act as
XX interactive surfaces. 80% Homology and 63% identity is shown to venom
XX protein A (VPRA) of the black mamba snake, and 76% homology and 56%
XX identity to human protein Bv8. EG-VEGF nucleic acids and polypeptides, as
XX well as agonists and antagonists, can be used in the treatment of
XX conditions associated with hormone-producing tissue, especially ovarian,
XX testicular, cervical, adrenal, placental or prostate tissue. The
XX condition may be polycystic ovary syndrome, cancer, especially ovarian
XX cancer, testicular cancer, prostate cancer or uterine cancer, or ovarian
XX cyst (all claimed). Fertility can be regulated using an EG-VEGF
XX antagonist to inhibit follicle maturation or ovulation. Methods are
XX claimed for identifying compounds that modulate EG-VEGF activity,
XX especially the ability to induce phosphorylation of a kinase involved in
XX cell proliferation or survival, to induce chemotaxis, angiogenesis, or
XX cell differentiation, or to induce endothelial cell proliferation
XX Sequence 105 AA;
XX
XX Query Match 100.0%; Score 589; DB 5; Length 105;
XX Best Local Similarity 100.0%; Pred. NO.3.8e-54;
XX Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX 1 MRGATRSIMLLVTVSDCAVITGACERDVOCAGTCCASIMLGRMCTPLGREEEEC 60
XX Db 1 MRGATRSIMLLVTVSDCAVITGACERDVOCAGTCCASIMLGRMCTPLGREEEEC 60

```

```

CY 61 HPGSHKVPFPRKRKHTCTCPPLVLLCSRPDDGRYRCSMDLKNINP 105
DB 61 HPGSHKVPFPRKRKHTCTCPPLVLLCSRPDDGRYRCSMDLKNINP 105
XX
XX RESULT 11
XX ID AAU83674 standard; protein, 105 AA.
XX AAU83674;
XX 08-MAY-2002 (first entry)
XX
XX Human PRO protein, Seq ID No 166.
XX
XX Human; secreted protein; PRO; tumour; lung cancer; colon cancer;
XX breast cancer; prostate tumour; rectal tumour; liver tumour;
XX pericyte cell proliferation; chondrocyte cell proliferation;
XX tumour necrosis factor-alpha.
XX Homo sapiens.
XX OS
XX MO200208288-A2.
XX 31-JAN-2002.
XX
XX 29-JUN-2001; 2001WO-US021066.
XX
XX 20-JUL-2000; 2000US-0219556P.
XX 25-JUL-2000; 2000US-0220585P.
XX 25-JUL-2000; 2000US-0220605P.
XX 25-JUL-2000; 2000US-0220607P.
XX 25-JUL-2000; 2000US-0220624P.
XX 25-JUL-2000; 2000US-0220638P.
XX 25-JUL-2000; 2000US-0220664P.
XX 25-JUL-2000; 2000US-0220666P.
XX 25-JUL-2000; 2000US-0220893P.
XX 28-JUL-2000; 2000WO-US020710.
XX 01-AUG-2000; 2000US-022425P.
XX 22-AUG-2000; 2000US-0227133P.
XX 23-AUG-2000; 2000WO-US023522.
XX 24-AUG-2000; 2000WO-US023326.
XX 10-NOV-2000; 2000WO-US030873.
XX 28-NOV-2000; 2000US-0253646P.
XX 01-DEC-2000; 2000WO-US032678.
XX 20-DEC-2000; 2000US-00747259.
XX 28-FEB-2001; 2001WO-US034956.
XX 01-MAR-2001; 2001WO-US006666.
XX 22-MAR-2001; 2001US-00816744.
XX 10-MAY-2001; 2001US-00854208.
XX 10-MAY-2001; 2001US-00854280.
XX 25-MAY-2001; 2001WO-US017092.
XX
XX (GETH ) GENENTECH INC.
XX Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;
XX PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
XX WPI; 2002-172001/22.
XX N-PSDB; ABA91567.
XX
XX One hundred and twenty two nucleic acids encoding PRO polypeptides,
XX useful for treating a PRO related disorder and for diagnosing tumors such
XX as lung cancer, colon cancer, breast tumor, prostate tumor, rectal tumor
XX or liver tumor.
XX Claim 11; Fig 166; 359pp; English.
XX
XX The invention relates to one hundred and twenty two nucleic acids
XX encoding PRO polypeptides. The sequences of the 122 PRO polynucleotides
XX encode human secreted proteins. The PRO nucleic acids, polypeptides,

```

CC agonists and antagonists are useful for treating a PRO related disorder.  
 CC The PRO polypeptides are useful for diagnosing tumours, especially lung  
 CC cancer, colon cancer, breast tumour, prostate tumour, rectal tumour or  
 CC liver tumour. The PRO polypeptides are useful for stimulating the  
 CC proliferation of, or gene expression, in pericyte cells, for stimulating  
 CC the proliferation or differentiation of chondrocyte cells, for  
 CC stimulating the release of tumour necrosis factor-alpha from human blood,  
 CC for stimulating or inhibiting the proliferation of normal human dermal  
 CC fibroblast cells. The PRO polypeptide may also be used as molecular  
 CC weight markers and for tissue typing. The PRO nucleic acids have  
 CC applications in molecular biology, including use as hybridisation probes,  
 CC and in chromosome and gene mapping. AA083592-AA083713 represent human PRO  
 CC protein sequences of the invention

XX SQ Sequence 105 AA;

Query Match 100.0%; Score 589; DB 5; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 3,8e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCALISLWLGRLMCTPLGRGEGEC 60  
 DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCALISLWLGRLMCTPLGRGEGEC 60

QY 61 HPGSHKVPFFRKRRKHTCPCLPNILCSRFPDGRYRCSDMLKNINF 105  
 DB 61 HPGSHKVPFFRKRRKHTCPCLPNILCSRFPDGRYRCSDMLKNINF 105

RESULT 12  
 ABB84902  
 ID ABB84902 standard; protein; 105 AA.  
 XX AC ABB84902;  
 XX DT 16-MAY-2002 (first entry)  
 XX DE Human PRO1186 protein sequence SEQ ID NO:172.  
 XX XX Human; angiogenesis; cardiact; cytostatic; antiangiogenic; hypotensive;  
 XX XX vulnerable; antiarteriosclerotic; PRO agonist; PRO antagonist; trauma;  
 XX XX gene therapy; cardiovascular disorder; endothelial disorder; cancer;  
 XX XX angiogenic disorder; cardiac hypertrophy; atherosclerosis; hypertension;  
 XX XX age-related macular degeneration; arterial restenosis; angina;  
 XX XX rheumatoid arthritis; myocardial infarction; thrombophlebitis;  
 XX XX lymphangitis; tumour angiogenesis; breast carcinoma; liver carcinoma;  
 XX XX wound healing; chromosome mapping; gene mapping.  
 XX OS Homo sapiens.  
 XX PN W0200200690-A2.  
 XX PD 03-JAN-2002.  
 XX PF 20-JUN-2001; 2001WO-US019692.  
 XX XX 23-JUN-2000; 2000US-0213637P.  
 XX XX 20-JUL-2000; 2000US-0219556P.  
 XX XX 25-JUL-2000; 2000US-0220624P.  
 XX XX 25-JUL-2000; 2000US-0220664P.  
 XX XX 28-JUL-2000; 2000WO-US020710.  
 XX XX 02-AUG-2000; 2000US-0222695P.  
 XX XX 17-AUG-2000; 2000US-00643657.  
 XX XX 23-AUG-2000; 2000WO-US023352.  
 XX XX 24-AUG-2000; 2000WO-US023378.  
 XX XX 07-SEP-2000; 2000US-0230978P.  
 XX XX 18-SEP-2000; 2000US-0064610.  
 XX XX 18-SEP-2000; 2000US-00665350.  
 XX XX 24-OCT-2000; 2000US-0242922P.  
 XX XX 08-NOV-2000; 2000US-00709238.  
 XX XX 10-NOV-2000; 2000WO-US030952.  
 XX XX 01-DEC-2000; 2000WO-US032678.

PR 20-DEC-2000; 2000US-00747259.  
 PR 20-DEC-2000; 2000WO-US034956.  
 PR 22-JAN-2001; 2001US-00767609.  
 PR 28-FEB-2001; 2001US-00796498.  
 PR 28-FEB-2001; 2001WO-US006520.  
 PR 01-MAR-2001; 2001WO-US006666.  
 PR 09-MAR-2001; 2001US-00802706.  
 PR 14-MAR-2001; 2001US-00808689.  
 PR 22-MAR-2001; 2001US-00816744.  
 PR 05-APR-2001; 2001US-00828366.  
 PR 10-MAY-2001; 2001US-00854208.  
 PR 10-MAY-2001; 2001US-00854280.  
 PR 25-MAY-2001; 2001US-00866028.  
 PR 25-MAY-2001; 2001US-00866034.  
 PR 25-MAY-2001; 2001WO-US017092.  
 PR 30-MAY-2001; 2001US-00870574.  
 PR 30-MAY-2001; 2001WO-US017443.  
 PR 01-JUN-2001; 2001WO-US017800.  
 XX XX (GETH ) GENENTECH INC.  
 XX XX Baker KP, Ferrara N, Gerber H, Gertlisen ME, Goddard A;  
 XX XX Godowski PJ, Gurney AL, Hillan KJ, Margeters SA, Pan J, Paoni NF;  
 XX XX Stephan JF, Watanabe CK, Williams PM, Wood WI, Ye W,  
 XX XX WPI; 2002-090516/12.  
 XX XX DR N-PSDB; ABL88157.  
 XX XX PS Claim 11; Fig 172; 565P; English.  
 XX XX ABL88072 to ABL88258 encode the PRO proteins given in ABB84817 to  
 CC ABB85003. The PRO proteins and polynucleotides have cardiact, cytostatic,  
 CC antiangiogenic, hypotensive, vulnerary and antiarteriosclerotic  
 CC activities, and can be used in gene therapy. The PRO polynucleotides,  
 CC proteins, agonists and antagonists are useful for treating or diagnosing  
 CC a cardiovascular, endothelial or angiogenic disorder in a mammal, e.g.,  
 CC cardiac hypertrophy, trauma, cancer, age-related macular degeneration,  
 CC atherosclerosis, hypertension, arterial restenosis, rheumatoid arthritis,  
 CC angina, myocardial infarctions, thrombophlebitis, lymphangitis, tumour  
 CC angiogenesis (such as breast carcinoma and liver carcinoma) and wound  
 CC healing. The PRO polynucleotides have applications in molecular biology,  
 CC including use as hybridisation probes, and in chromosome and gene  
 CC mapping. ABL88259 to ABL88267 represent primers and probes used in the  
 CC exemplification of the present invention

XX SQ Sequence 105 AA;

Query Match 100.0%; Score 589; DB 5; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 3,8e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCALISLWLGRLMCTPLGRGEGEC 60  
 DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCALISLWLGRLMCTPLGRGEGEC 60

QY 61 HPGSHKVPFFRKRRKHTCPCLPNILCSRFPDGRYRCSDMLKNINF 105  
 DB 61 HPGSHKVPFFRKRRKHTCPCLPNILCSRFPDGRYRCSDMLKNINF 105

RESULT 13  
 AA015527  
 ID AA015527 standard; protein; 105 AA.  
 XX AC AA015527;  
 XX DT 24-OCT-2002 (first entry)  
 XX DE Human physiologically-active ZAQ ligand-related protein 3.

```

XX Human; ZAQ ligand; physiologically-active ZAQ ligand; digestive disease;
KM colitis; diarrhoea.
XX Homo sapiens.
XX WO200257443-A1.
XX
XX 25-JUL-2002.
XX
XX 21-JAN-2002; 2002WO-JP000378.
XX
XX 22-JAN-2001; 2001JP-00013027.
XX
XX 17-MAY-2001; 2001JP-00147759.
XX
XX (TAKE ) TAKEDA CHEM IND LTD.
XX
XX Yamada T, Suenaga M, Nishimura O;
XX
XX WPI; 2002-566801/60.
XX
XX Industrial production of physiologically-active ZAQ ligand by expressing
XX in transformant prokaryote and refolding in redox buffer, for use in
XX preventing or treating digestive diseases e.g. colitis and diarrhoea.
XX
XX Example 3; Page 76-77; 93pp; Japanese.
XX
XX The invention comprises a method for producing an active peptide that has
XX the same activity as a ZAQ ligand isolated from eukaryotic cells. The
XX method of the invention is useful for the production of a physiologically
XX -active ZAQ ligand for use in preventing or treating digestive diseases
XX (e.g. colitis and diarrhoea). The present amino acid sequence represents a
XX human physiologically active ZAQ ligand-related protein
XX
XX Sequence 105 AA;
SQ
Query Match 100.0%; Score 589; DB 5; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.8e-54;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCAIISLWRLGRLMCTPLGRGEGEC 60
DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCAIISLWRLGRLMCTPLGRGEGEC 60
QY 61 HPGSHKVPFPRKRKHTCPCLPNLLCSRPPDGRYRCMDLKNINF 105
DB 61 HPGSHKVPFPRKRKHTCPCLPNLLCSRPPDGRYRCMDLKNINF 105
DE RESULT 14
ABB06308
ID ABB06308 standard; protein; 105 AA.
XX
XX ABB06308;
XX
XX 27-MAY-2002 (first entry)
XX
XX Human G protein-coupled receptor ZAQ ligand protein SEQ ID NO:23.
XX
XX G protein-coupled receptor; ZAQ ligand; physiologically active peptide;
XX ZAQ; antidiarrhetic; laxative; drug development; digestive disease;
XX colitis; diarrhoea; constipation; poor-absorption syndrome; gene therapy.
XX
XX Homo sapiens.
XX
XX WO200206483-A1.
XX
XX 24-JAN-2002.
XX
XX 17-JUL-2001; 2001WO-JP006162.
XX
XX 18-JUL-2000; 2000JP-00217442.
XX
XX 02-FEB-2001; 2001JP-00026779.

```

```

XX (TAKE ) TAKEDA CHEM IND LTD.
XX
XX Ohtaki T, Masuda Y, Takatsu Y, Watanabe T, Terao Y, Shintani Y;
XX Hinuma S;
XX
XX WPI; 2002-18546/24.
XX
XX N-PSDB; ABL49637.
XX
XX Physiologically-active peptides from cows milk, useful for developing
XX drugs to treat ZAQ-mediated diseases, particularly digestive diseases
XX like colitis, diarrhoea, constipation and poor-absorption syndrome, by
XX gene therapy.
XX
XX Claim 5; Page 61; 191pp; Japanese.
XX
XX The present invention describes a peptide containing an amino acid
XX sequence (I) identical to or substantially similar to that of the
XX sequence in ABB06305 or ABB06306, or its salt. (I) has antidiarrhetic and
XX laxative activities. The peptides and encoding DNAs from the present
XX invention are useful for developing drugs to treat digestive diseases
XX like colitis, diarrhoea, constipation and poor-absorption syndrome,
XX including gene therapy. The physiologically-active cows milk-originated
XX peptides are applicable as a specific ligand of brain-originated orphan G
XX protein-coupled receptor protein ZAQ. ABL49615 to ABB40659 and ABB06303
XX to ABB06315 represent sequences used in the exemplification of the
XX present invention
XX
XX Sequence 105 AA;
SQ
Query Match 100.0%; Score 589; DB 5; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.8e-54;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCAIISLWRLGRLMCTPLGRGEGEC 60
DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCAIISLWRLGRLMCTPLGRGEGEC 60
QY 61 HPGSHKVPFPRKRKHTCPCLPNLLCSRPPDGRYRCMDLKNINF 105
DB 61 HPGSHKVPFPRKRKHTCPCLPNLLCSRPPDGRYRCMDLKNINF 105
DE RESULT 15
AAE24382
ID AAE24382 standard; protein; 105 AA.
XX
XX AAE24382;
XX
XX 04-OCT-2002 (first entry)
XX
XX Human prokineticin 1 precursor protein.
XX
XX Human, prokineticin 1; gastrointestinal motility; intestinal cancer;
XX irritable bowel syndrome; gastrointestinal reflux disease; diarrhoea;
XX diabetic gastroparesis; chronic constipation; malabsorptive disorder;
XX inflammatory bowel disorder; analgesic; infectious disease.
XX
XX Homo sapiens.
XX
XX Key Location/Qualifiers
XX Peptide 1..19
XX Protein /label=Signal_Peptide
XX /note="Mature human prokineticin 1"
XX
XX WO200236625-A2.
XX
XX 10-MAY-2002.
XX
XX 01-NOV-2001; 2001WO-US047969.
XX
XX 03-NOV-2000; 2000US-0245882P.

```

XX (REGC ) UNIV CALIFORNIA.

XX Zhou Q, Ehlerl FJ;

XX WPI: 2002-479752/51.

DR N-PSDB; AAD39321.

XX New isolated human prokineticin 1 and 2 polypeptides that stimulate  
PT gastrointestinal smooth muscle contraction, useful for improving impaired  
PT gastrointestinal motility in irritable bowel syndrome, chronic  
PT constipation.

PS Example 1; Fig 1; 86pp; English.

XX The invention relates to human prokineticin 1 and 2 polypeptides that  
CC stimulate gastrointestinal smooth muscle contraction and nucleic acid  
CC molecules encoding such polypeptides. Polypeptides of the invention are  
CC useful for treating disorders involving impaired gastrointestinal  
CC motility. They are useful for stimulating gastrointestinal motility in  
CC disorders such as irritable bowel syndrome, diabetic gastroparesis, post-  
CC operational ileus, chronic constipation and gastrointestinal reflux  
CC disease. The prokineticin antagonists are useful for inhibiting  
CC gastrointestinal motility in conditions of diarrhoea, malabsorptive  
CC disorders, inflammatory bowel disorders, infectious diseases and  
CC intestinal cancers. The antagonists also act as analgesics. The present  
CC sequence is human prokineticin 1 precursor protein

XX Sequence 105 AA;

Query Match 100.0%; Score 589; DB 5; Length 105;

Best Local Similarity 100.0%; Pred. No. 3.8e-54;

Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLTLVSPDCAVITGACERDVOCGAGTCCATSLMTLRLMCTPLRGREGC 60

Db 1 MRGATRVSIMLTLVSPDCAVITGACERDVOCGAGTCCATSLMTLRLMCTPLRGREGC 60

QY 61 HPGSHKVPFFRKRGKHTCPCLPNLLCSRFPDGRYRCSDMLKNINF 105

Db 61 HPGSHKVPFFRKRGKHTCPCLPNLLCSRFPDGRYRCSDMLKNINF 105

Search completed: March 30, 2006, 17:30:56  
Job time : 192 secs



GenCore version 5.1.7  
Copyright (c) 1993 - 2006 Bioacceleration Ltd.

OM protein - protein search, using sw model

Run on: March 30, 2006, 17:31:17 ; Search time 39 Seconds

(without alignments)  
259.045 Million cell updates/sec

Title: US-10-692-299-2

Perfect score: 589

Sequence: 1 MRGATRVSMILVTSDCA.....CSRPPDGRYRCMDLKNINF 105

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 283416 seqs, 96216763 residues

Total number of hits satisfying chosen parameters: 283416

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database :  
1: PIR.80.\*  
2: PIR1.\*  
3: PIR2.\*  
4: PIR3.\*  
5: PIR4.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match Length	ID	Description
1	100.5	17.1	350 2 JC7188	REIC protein - hum
2	88.5	15.0	640 2 T08179	LRG5 protein - chl
3	83	14.1	1101 2 T16840	hypothetical prote
4	81	13.6	1964 2 T09059	notch4 - mouse
5	79	13.4	112 1 XLHU	collipase precursor
6	77.5	13.2	473 2 A56175	adhesive plaque pr
7	77	13.1	251 2 A55035	cyteine-rich prot
8	75.5	12.8	1574 2 T13954	MEGF6 protein - ra
9	75	12.7	734 2 JC4861	fertilin beta cha
10	75	12.7	2318 2 S45306	notch 3 protein -
11	75	12.7	2531 2 T11070	notch homolog - se
12	74	12.6	112 2 I51909	collipase precursor
13	74	12.6	1620 2 T27283	hypothetical prote
14	73	12.4	461 1 A35356	tumor necrosis fac
15	73	12.4	3075 2 S14458	laminin alpha-1 ch
16	72.5	12.3	643 2 T25473	hypothetical prote
17	72.5	12.3	2871 2 A55567	fibritin I - bovl
18	72.5	12.3	3002 2 A47221	fibritin I - bovl
19	72	12.2	1639 1 NMFFB2	laminin gamma-1 ch
20	71.5	12.1	591 2 I48141	acroganin - guine
21	71.5	12.1	601 2 B36346	fibulin 1 precursor
22	71.5	12.1	683 2 C36346	fibulin 1 precursor
23	71.5	12.1	1178 1 A39804	thrombospondin pre
24	71.5	12.1	1854 2 T33576	hypothetical prote
25	71	12.1	286 2 S34665	collagen, cuticula
26	71	12.1	593 1 GYHU	granulin precursor
27	70.5	12.0	1847 2 T18308	probable vitellog
28	70.5	12.0	2871 2 A55624	fibritin-1 precu
29	69.5	11.8	802 2 T24293	hypothetical prote

30	69.5	11.8	949 2 T24294	hypothetical prote
31	69.5	11.8	2352 2 T30201	Notch homolog prot
32	69.5	11.8	4545 1 S25111	alpha-2-macroglobu
33	69	11.7	2918 2 A54105	fibritin-2 precu
34	69	11.7	3133 2 S52093	hemocytin - silkw
35	69	11.7	3712 2 S18253	laminin alpha-1 ch
36	68.5	11.6	728 2 I50719	C-Delta-1 - chicke
37	68.5	11.6	850 2 T14450	serine/threonine k
38	68.5	11.6	884 2 T18649	hypothetical prote
39	68.5	11.6	1172 2 A42587	thrombospondin 2 p
40	68.5	11.6	1376 2 G00043	osteonidogen - hum
41	68	11.5	112 2 A46717	collipase precursor
42	68	11.5	345 2 T25138	hypothetical prote
43	68	11.5	358 2 T25137	hypothetical prote
44	68	11.5	427 1 GQHDN	nerv growth facto
45	68	11.5	547 2 A33901	mannosyl-oligosacc

## ALIGNMENTS

## RESULT 1

JC7188

REIC protein - human

C/Species: Homo sapiens (man)

C/Date: 04-Mar-2000 #sequence\_revision 04-Mar-2000 #text\_change 11-May-2000

C/Accession: JC7188

R/Tsugi, T.; Miyazaki, M.; Sakaguchi, M.; Inoue, Y.; Namba, M.

Biochem. Biophys. Res. Commun. 268, 20-24, 2000

A/Title: A REIC gene shows down-regulation in human immortalized cells and human tumor-d

A/Reference number: JC7188; MUID:20119095; PMID:10652205

A/Accession type: JC7188

A/Molecule type: mRNA

A/Residues: 1-350 <TSU>

A/Cross-references: UNIPARC:UPI0000179471; DDBJ:AB034203

A/Experimental source: heart

C/Comment: This protein is a secreted glycoprotein for head induction in amphibian embryo.

C/Genetics:

A:Superfamily: human REIC protein

C/Keywords: cardiac muscle; coiled coil; glycoprotein; heart; tumor

Query Match 17.1%; Score 100.5; DB 2; Length 350;

Beet local similarity 37.7%; Pred. No. 0.0086;

Matches 26; Conservative 3; Mismatches 29; Indels 11; Gaps 4;

QY 26 CERVOGAGNCCASISLRLGL--RMCTPLGRGESECH-PGSHKVPFRKKH-----HT 77

DB 208 CDNRDQPGICCAFO--RGLFPVCTPLPVBSELCHDPASRLDITWELRFDGALDR 264

QY 78 CPCLPNLLC 86

DB 265 CPCLPNLLC 273

QY 265 CPCLPNLLC 273

DB 265 CPCLPNLLC 273

QY 265 CPCLPNLLC 273

DB 265 CPCLPNLLC 273

QY 265 CPCLPNLLC 273

DB 265 CPCLPNLLC 273

```

Query Match          15.0%; Score 88.5; DB 2; Length 640;
Best Local Similarity 31.6%; Pred. No. 0.23;
Matches 24; Conservative 5; Mismatches 24; Indels 23; Gaps 4;

Qy 32 CGAGTCCATSLMLRGLMCTPLGREGCHGSHKVPFFRKHKHTPCPLPNLLCSRF-- 89
Db 488 CTGAGRC-----WM-----TCLPMWSSGGTWPRPLMTF-----SRTACLCPLTCCSRMLR 533
Qy 90 -----PDGRYRCSM 98
Db 534 RWRGMAFGGRWRCSL 549

RESULT 3
T16840
hypothetical protein T10E10.4 - Caenorhabditis elegans
C/Species: Caenorhabditis elegans
C/Date: 20-Sep-1999 #sequence_revision 20-Sep-1999 #text_change 09-Jul-2004
C/Accession: T16840
R/Giesel, C.
submitted to the EMBL Data Library, October 1995
A/Description: The sequence of C. elegans cosmid T10E10.
A/Reference number: Z18588
A/Accession: T16840
A/Status: preliminary; translated from GB/EMBL/DBJ
A/Molecule type: DNA
A/Residues: 1-1101 <SEI>
A/Cross-references: UNIPROT:Q23378; UNIPARC:UPI000017B8BF; EMBL:U39644; NID:g1049339; PI
A/Experimental source: strain Bristol N2
C/Genetics:
A/Gene: CESP:T10E10.4
A/Intons: 93/2; 152/2; 191/3; 209/2; 283/3; 303/1; 399/3; 421/1; 440/1; 465/1; 547/3; 7
Query Match          14.1%; Score 83; DB 2; Length 1101;
Best Local Similarity 24.4%; Pred. No. 1.3;
Matches 32; Conservative 9; Mismatches 40; Indels 50; Gaps 6;

Qy 13 LMTYSDCAVITTCGERVOCGAGTCCATSLMLRG----- 46
Db 749 LMSYQRCAMGIG-CPPNOCENGVCCPMPCCSSSIASSVCGMANSCPIGYICGRGCL 807
Qy 47 --LRMCTPLGR-----EGECHPG-----SHKVPFFRKHKHTPCPLPNLLCS 87
Db 808 EPLPLCNGSRASWRCYRGACPPRGYCTPLGCGCLLSMEVCTRRSNANVCCSPNNVC- 866
Qy 88 RFPDGRYRCSM 98
Db 867 --PSGA-SCTM 874

RESULT 4
T09059
notch4 - mouse
C/Species: Mus musculus (house mouse)
C/Date: 11-Jun-1999 #sequence_revision 11-Jun-1999 #text_change 09-Jul-2004
C/Accession: T09059
R/Rosen, L.; Mahatras, G.; Qin, S.; Ahearn, M.E.; Dankers, C.; Lasky, S.; Loretz, C.; Sc
submitted to the EMBL Data Library, October 1997
A/Description: Sequence of the mouse major histocompatibility locus class III region.
A/Reference number: Z16543
A/Accession: T09059
A/Status: preliminary; translated from GB/EMBL/DBJ
A/Molecule type: DNA
A/Residues: 1-1964 <ROM>
A/Cross-references: UNIPROT:P31695; UNIPARC:UPI000016CTF1; EMBL:AF030001; NID:g2564945;
C/Genetics:
A/Gene: notch4
A/Map position: 17
A/Intons: 22/1; 49/2; 148/1; 264/1; 305/1; 384/1; 436/1; 501/1; 539/1; 577/1; 618/1; 67
1679/3; 1729/1; 1761/3
C/Superfamily: notch protein; ankyrin repeat homology; EGF homology
C/Keywords: receptor; signal transduction
F:514-545/Domain: EGF homology <EGF>

```

```

Query Match          13.8%; Score 81; DB 2; Length 1964;
Best Local Similarity 30.4%; Pred. No. 3.4;
Matches 24; Conservative 7; Mismatches 22; Indels 26; Gaps 5;

Qy 26 CERDVG-----CGAGTCCATSLMLRGLRMC-TPIGREGCHGSHKVPFFRKHKH 76
Db 188 CERDINECFLEPFCQGSCHNTL---GSYQCLCFVGRGPGC-----KLRKG 233
Qy 77 TCP---CLPNLLCSRPDDG 92
Db 234 ACPSSCLNGTCLQVPEG 252

RESULT 5
XLRU
collipase precursor [validated] - human
N/Alternate names: procollipase
C/Species: Homo sapiens (man)
C/Date: 04-Dec-1986 #sequence_revision 19-May-1995 #text_change 09-Jul-2004
C/Accession: A42568; A33949; A03163
R/Sims, H.F.; Lowe, M.B.
Biochemistry 31, 7120-7125, 1992
A/Title: The human collipase gene: isolation, chromosomal location, and tissue-specific ex
A/Reference number: A42568; MUID:92353041; PMID:1643046
A/Accession: A42568
A/Molecule type: DNA
A/Residues: 1-112 <SIM>
A/Cross-references: UNIPROT:P04118; UNIPARC:UPI0000127E78; GB:M95529; NID:g180842; PID:g
A/Note: sequence extracted from NCBI backbone (NCBI:110576, NCBI:110578, NCBI:110580)
R/Lowe, M.B.; Rosenblum, J.L.; McEwen, P.; Strauss, A.W.
Biochemistry 29, 823-828, 1990
A/Title: Cloning and characterization of the human collipase cDNA.
A/Reference number: A33949; MUID:90248429; PMID:2337598
A/Accession: A33949
A/Molecule type: mRNA
A/Residues: 1-112 <LOM>
A/Cross-references: UNIPARC:UPI0000127E78; GB:J02883; NID:g180885; PID:AAA52054.1; PID:g
A/Note: evidence of partial N-glycosylation, possibly at Asn-43
R/Sternby, B.; Engstrom, A.; Hellman, U.; Vihert, A.M.; Sternby, N.H.; Borgstrom, B.
Biochim. Biophys. Acta 784, 75-80, 1984
A/Title: The primary sequence of human pancreatic collipase.
A/Reference number: A90652; MUID:84104937; PMID:6691986
A/Accession: A03163
A/Molecule type: protein
A/Residues: 23-108 <STE>
A/Cross-references: UNIPARC:UPI0000174141
C/Comment: Collipase, a cofactor of triacylglycerol lipase (EC 3.1.1.3), forms a 1:1 stoic
se the enzyme is washed off by bile salts, which are known to have an inhibitory effect c
C/Genetics:
A/Gene: GDB:CLPS
A/Cross-references: GDB:127277; OMIM:120105
A/Map position: 6pter-6p21.1
A/Intons: 28/3; 69/3
C/Superfamily: collipase
C/Keywords: lipid digestion; lipid hydrolysis; pancreas
F:1-17/Domain: signal sequence #status predicted <SIG>
F:18-22/Domain: amino-terminal propeptide #status predicted <APP>
F:23-108/Product: collipase #status experimental <MAT>
F:109-112/Domain: carboxyl-terminal propeptide #status predicted <CPP>
F:34-104,40-56,44-80,45-78,66-86/Disulfide bonds: #status predicted
F:69,72,75,76/Binding site: micellar substrate (Lys, Tyr, Tyr, Tyr) #status predicted

Query Match          13.4%; Score 79; DB 1; Length 112;
Best Local Similarity 28.4%; Pred. No. 0.48;
Matches 31; Conservative 9; Mismatches 45; Indels 24; Gaps 6;

Qy 9 IMTLTVSDCAVITG-----ACERVOCGAGTCCATSLMLRGLMCTPLGREG 56
Db 5 LILLVLVALSVAVAPGREGIITLNGELCWNSAQ-CNSCCQHSAL-GLARCTSWAS 62
Qy 57 GEBCHPGSHKVPFFRKHKHTPCPLPNLLCSRPDDGRYRCMDYKNNF 105

```

Db 63 NSC---SVKTY---GIYKPCERGLTC---EGDKTIVGSIITNPF 101

RESULT 6

A56175

adhesive plaque protein Mgf2 precursor - Mediterranean mussel

C:Species: Mytilus galloprovincialis (Mediterranean mussel)

C:Date: 27-Apr-1995 #sequence\_revision 03-Oct-1995 #text\_change 09-Jul-2004

C:Accession: A56175

R:Inoue, K.; Takeuchi, Y.; Miki, D.; Odo, S.

J. Biol. Chem. 270, 6698-6701, 1995

A:Title: Mussel adhesive plaque protein gene is a novel member of epidermal growth factor

A:Reference number: A56175; MUID:95204464; PMID:7896812

A:Accession: A56175

A:Molecule type: mRNA

A:Residues: 1-473 <IND>

A:Cross-references: UNIPROT:Q25464; UNIPARC:UPI000012AB7B; GB:D43794; NID:G602767; PIDN:

C:Keywords: duplication

F:1-17/Domain: signal sequence #status predicted <SIG>

F:387-419/Domain: EGF homology <EGF>

F:429-460/Domain: EGF homology <EGF>

F:23,36,43,56,75,382,424,455,468,473/Modified site: 3',4'-dihydroxyphenylalanine (Tyr) #

Query Match 13.2%; Score 77.5; DB 2; Length 473;

Best Local Similarity 31.2%; Pred. No. 2.3;

Matches 24; Conservative 11; Mismatches 23; Indels 19; Gaps 7;

Qy 26 CERDVCGAGTCGCAISLWRLGRLMCTPLRGEGEECH-PGSHKVPFRKRKHTC---PCL 81

Db 117 CERKV-CSPNRC-----KNGKCSPLGKTKYCTGSGYTGPR---RCEVHACKRPCK 165

Qy 82 PNILCSRPDGR--YRC 96

Db 166 NKGRC--FPDCKTGKXC 180

RESULT 7

A55035

cysteine-rich protein CRP1 - earthworm (Enchytraeus buchholzi)

C:Species: Enchytraeus buchholzi

C:Date: 14-Nov-1994 #sequence\_revision 03-Nov-1995 #text\_change 09-Jul-2004

C:Accession: A55035; S45034

R:William, J.; Schmitt-Wrede, H.P.; Greven, H.; Wunderlich, F.

J. Biol. Chem. 269, 24688-24691, 1994

A:Title: cDNA cloning of a cadmium-inducible mRNA encoding a novel cysteine-rich, non-me

A:Reference number: A55035; MUID:95014230; PMID:7929141

A:Accession: A55035

A:Status: preliminary

A:Molecule type: mRNA

A:Residues: 1-251 <WIL>

A:Cross-references: UNIPROT:Q24774; UNIPARC:UPI000007D243; EMBL:X79344; NID:G488802; PID

C:Superfamily: ultra-high-sulfur keratin

Query Match 13.1%; Score 77; DB 2; Length 251;

Best Local Similarity 30.9%; Pred. No. 1.5;

Matches 25; Conservative 7; Mismatches 45; Indels 4; Gaps 3;

Qy 17 SDCAVITGACERDVCGAGTCGCAISLWRLGRLMCTPLRGEGEECHPGSHKVPFRKRKH 76

Db 77 SQCKCKEKECKKG--CKEG-CPAPKCGVAGCSGCKCKEKECKPCKTCKCGTKCGVE 133

Qy 77 TCPCPLPNILCSRPDGRYRC 97

Db 134 DCPGCPCKCKE-CDCKVNC 153

RESULT 8

T13954

MEGF6 protein - rat

C:Species: Rattus norvegicus (Norway rat)

C:Date: 20-Sep-1999 #sequence\_revision 20-Sep-1999 #text\_change 09-Jul-2004

C:Accession: T13954

R:Nakayama, M.; Nakajima, D.; Nagase, T.; Nomura, N.; Seki, N.; Ohara, O.

Genomics 51, 27-34, 1998

A:Title: Identification of high-molecular-weight proteins with multiple EGF-like motifs

A:Reference number: Z14126; MUID:98360089; PMID:9693030

A:Accession: T13954

A:Status: preliminary; translated from GB/EMBL/DBJ

A:Molecule type: mRNA

A:Residues: 1-1574 <NAK>

A:Cross-references: UNIPROT:O88281; UNIPARC:UPI0000043BER; EMBL:AB011532; NID:G3449293; I

A:Experimental source: strain Sprague-Dawley; brain

A:Genetics:

A:Gene: MEGF6

Query Match 12.8%; Score 75.5; DB 2; Length 1574;

Best Local Similarity 28.6%; Pred. No. 10;

Matches 24; Conservative 6; Mismatches 33; Indels 21; Gaps 4;

Qy 19 CAVITGAC-----ERDVCGAGTCGCAISLWRLGRLMCTPLRGEGEECHPGSHKVPFRKR 73

Db 755 CHRYTSCCLPPGKTGECAD--CEPGRKGLGCGEICPACERKASGCP----- 801

Qy 74 KHTPCPLPNILCSRPDGRYRC 97

Db 802 ETGTCCLTPGVGSRCD---TCS 822

RESULT 9

JC4861

fertilin beta chain - human

C:Species: Homo sapiens (man)

C:Date: 15-Aug-1996 #sequence\_revision 18-Oct-1996 #text\_change 09-Jul-2004

C:Accession: JC4861

R:Gupta, S.K.; Alves, K.; O'Neil Palladio, L.; Mark, G.E.; Hollis, G.F.

Biochem. Biophys. Res. Commun. 224, 318-326, 1996

A:Title: Molecular cloning of the human fertilin beta subunit.

A:Reference number: JC4861; MUID:96295488; PMID:8702389

A:Accession: JC4861

A:Molecule type: mRNA

A:Residues: 1-734 <GUP>

A:Cross-references: UNIPROT:Q99965; UNIPARC:UPI0000161BD9; GB:U38805; NID:G415118; PIDN

C:Comment: This protein is an integral sperm membrane glycoprotein, and plays a role in

C:Superfamily: mouse meltrin alpha; disintegrin homology

C:Keywords: glycoprotein; integrin binding; transmembrane protein

F:382-734/Product: fertilin beta chain #status predicted <NAT>

F:382-467/Domain: disintegrin homology <DIS>

F:448-450/Region: integrin binding #status predicted

F:686-708/Domain: transmembrane #status predicted <TM>

F:121,219,352,458,565/Binding site: carbohydrate (Asn) (covalent) #status predicted

Query Match 12.7%; Score 75; DB 2; Length 734;

Best Local Similarity 28.8%; Pred. No. 6;

Matches 21; Conservative 7; Mismatches 29; Indels 16; Gaps 3;

Qy 15 TVSDCAVITGAC-----ERDVCGAGTCGCAISLWRLGRLMCTPLRGEGEECHPGSHK 66

Db 401 TSDQCALIGTCCDIATCRFKAGSCABGPCENCLFMSKRWCRP---SFEC-----D 452

Qy 67 VPFRKRKHTCP 79

Db 453 LPKYNSSASCP 465

RESULT 10

S45306

notch 3 protein - mouse

C:Species: Mus musculus (house mouse)

C:Date: 20-Feb-1995 #sequence\_revision 20-Feb-1995 #text\_change 09-Jul-2004

C:Accession: S45306

R:Lardelli, M.; Dahlstrand, J.; Lendahl, U.

Mech. Dev. 46, 123-136, 1994

A:Title: The novel Notch homologue mouse Notch 3 lacks specific epidermal growth factor-1

A:Reference number: S45306; MUID:95001556; PMID:7918097

A:Accession: S45306

A:Status: preliminary

A:Molecule type: mRNA  
 A:Residues: 1-2318 <LAR>  
 A:Cross-references: UNIPROT:Q61982, UNIPARC:UPI000002930C, EMBL:X74760, NID:g483580, PID:A/Cross-family: notch protein; ankyrin repeat homology; EGF homology  
 F:163-195/Domain: EGF homology <EGF1>  
 F:474-505/Domain: EGF homology <EGF2>  
 F:854-885/Domain: EGF homology <EGF2>  
 F:1839-1871/Domain: ankyrin repeat homology <AN1>  
 F:1872-1904/Domain: ankyrin repeat homology <AN2>  
 F:1906-1938/Domain: ankyrin repeat homology <AN3>  
 F:1939-1971/Domain: ankyrin repeat homology <AN4>  
 F:1972-2004/Domain: ankyrin repeat homology <AN5>

Query Match 12.7%; Score 75; DB 2; Length 2318;  
 Best Local Similarity 28.1%; Pred. No. 16;  
 Matches 25; Conservative 5; Mismatches 25; Indels 34; Gaps 5;

Qy 19 CAVITGACERDVOCAGTCCAI--SLMLRGLRMCTPLRGEGEC----- 60  
 Db 1287 CERARBC-RELQCPVGIPOQT--ARGPRCACPGISGPGCRVSRASPSGATNASCASA 1343

Qy 61 ---HPGS---HKVPFRKRKHTCPCLP 82  
 Db 1344 PCLHGSGCLPQVSPFR-----CVCAP 1366

RESULT 11  
 T31070  
 notch homolog - sea urchin (lytechinus variegatus)  
 C/Species: lytechinus variegatus (variegated urchin)  
 C/Date: 22-Oct-1999 #sequence\_revision 22-Oct-1999 #text\_change 31-Jan-2000  
 C/Accession: T31070  
 R:Sherwood, D.R.; McClay, D.R.  
 Development 124, 3363-3374, 1997  
 A>Title: Identification and localization of a sea urchin Notch homologue: insights into  
 A/Reference number: Z20966; MUID:97454256; PMID:9310331  
 A/Accession: T31070  
 A>Status: preliminary; translated from GB/EMBL/DBJ  
 A:Molecule type: mRNA  
 A:Residues: 1-2531 <SHE>  
 A:Cross-references: UNIPARC:UPI000007531C, EMBL:AF000634, NID:g2570350, PID:g2570351, PID:A/Cross-family: notch protein; ankyrin repeat homology; EGF homology

Query Match 12.7%; Score 75; DB 2; Length 2531;  
 Best Local Similarity 29.9%; Pred. No. 17;  
 Matches 23; Conservative 8; Mismatches 32; Indels 14; Gaps 5;

Qy 22 ITGACERDVOCAGTCCAI--SLMLRGLRMCTPLRGEGECPSHKVPFRKRKHTCP 79  
 Db 120 VDNVCKLEPCQNGCTRLTSLMDYRC-FCFP-ANTGENTDNDHCY-----SNP 168

Qy 80 CLPNLCSRPDPGRYRC 96  
 Db 169 CLNGAVCTSSSDG-YSC 184

RESULT 12  
 I51909  
 colipase precursor - rat  
 N/Alternate names: procolipase  
 C/Species: Rattus norvegicus (Norway rat)  
 C/Date: 26-Jul-1996 #sequence\_revision 26-Jul-1996 #text\_change 09-Jul-2004  
 C/Accession: I51909; A34623  
 R:Payne, R.M.; Sims, H.F.; Jennes, M.L.; Lowe, M.E.  
 Am. J. Physiol. 266, G914-G921, 1994  
 A>Title: Rat pancreatic lipase and two related proteins: enzymatic properties and mRNA  
 A/Reference number: I51909; MUID:94262798; PMID:8203536  
 A/Accession: I51909  
 A>Status: preliminary; translated from GB/EMBL/DBJ  
 A:Molecule type: mRNA  
 A:Residues: 1-112 <PAY>  
 A:Cross-references: UNIPROT:P17084, UNIPARC:UPI0000127E7C, GB:M58370, NID:g203504, PIDN:R/Wicker, C.; Pulgover, A.

Biochem. Biophys. Res. Commun. 167, 130-136, 1990  
 A>Title: Rat pancreatic colipase mRNA: nucleotide sequence of a cDNA clone and nutrition  
 A/Reference number: A34623; MUID:9019738; PMID:2129524  
 A/Accession: A34623  
 A>Status: preliminary  
 A:Molecule type: mRNA  
 A:Residues: 1-17, 'V', '19-112 <MIC>  
 A:Cross-references: UNIPARC:UPI00001708B5, GB:M33333, NID:g203502, PIDN:AAA40943.1, PID:C/Superfamily: colipase  
 C/KeyWords: lipid digestion; lipid hydrolysis; pancreas  
 F:1-17/Domain: signal sequence #status predicted <Sig>  
 F:18-112/Product: colipase #status predicted <MAT>

Query Match 12.6%; Score 74; DB 2; Length 112;  
 Best Local Similarity 25.8%; Pred. No. 1.5;  
 Matches 24; Conservative 10; Mismatches 39; Indels 20; Gaps 4;

Qy 6 RVSMILLVTVSPCAVITG-----ACERDVOCAGTCCAI--SLMLRGLRMCTPL 53  
 Db 2 KVLVLLVTLVAAYAAPRGFLINLDEGEICVNSMOC-KSRCCQHDITL-GIARCTHK 59

Qy 54 GREGECHPGSHKVPFRKRKHTCPCLPNLIC 86  
 Db 60 AMENSECSPKTYGIYR-----CPCEGLTC 86

RESULT 13  
 T27283  
 hypothetical protein Y64G10A.f - Caenorhabditis elegans  
 C/Species: Caenorhabditis elegans  
 C/Date: 15-Oct-1999 #sequence\_revision 15-Oct-1999 #text\_change 15-Oct-1999  
 C/Accession: T27283  
 R:Almouzni, R.  
 Submitted to the EMBL Data Library, September 1999  
 A/Reference number: Z20336  
 A/Accession: T27283  
 A>Status: preliminary; translated from GB/EMBL/DBJ  
 A:Molecule type: DNA  
 A:Residues: 1-1620 <HIL>  
 A:Cross-references: UNIPARC:UPI000017BC84, EMBL:AL110498, NID:e1542303, PIDN:CAB54471.1, PIDN:A/Experimental source: clone Y64G10A  
 C/Genetic:

Query Match 12.6%; Score 74; DB 2; Length 1620;  
 Best Local Similarity 27.5%; Pred. No. 15;  
 Matches 22; Conservative 4; Mismatches 16; Indels 38; Gaps 4;

Qy 16 VSDCAVITGACERDVOCAG-----TCCAI--SLMLRGLRMCTPLRGEGECPSHKVP 68  
 Db 1114 VARCHVHTGRC---RCPAGWTPDCQTS-----PLGRHGGC----- 1148

Qy 69 FFRKRKHTCPCLPNLICSR 88  
 Db 1149 -----RHSCQCSNGASCDR 1162

RESULT 14  
 A35356  
 tumor necrosis factor receptor 2 precursor [validated] - human  
 N/Alternate names: 75K tumor necrosis factor receptor; TNF receptor type 2  
 C/Species: Homo sapiens (man)  
 C/Date: 10-Sep-1999 #sequence\_revision 10-Sep-1999 #text\_change 09-Jul-2004  
 C/Accession: A35356; A36475; A48416; A36007; A23666; B35010; I38094  
 R:Smith, C.A.; Davis, T.; Anderson, D.; Solam, L.; Beckmann, M.P.; Jerzy, R.; Dower, S.K  
 Science 248, 1019-1023, 1990  
 A>Title: A receptor for tumor necrosis factor defines an unusual family of cellular and  
 A/Reference number: A35356; MUID:90260639; PMID:2160731  
 A/Accession: A35356  
 A>Status: preliminary  
 A:Molecule type: mRNA  
 A:Residues: 1-461 <SMI>

A:Cross-references: UNIPROT:P20333; UNIPARC:UPI000002FAE1; GB:M32315; NID:9189185; PIDN:  
 R:Kohn, T.; Brewer, M.T.; Baker, S.L.; Schwartz, P.E.; King, M.W.; Hale, K.K.; Squires,  
 Proc. Natl. Acad. Sci. U.S.A. 87, 8331-8335, 1990  
 A:Title: A second tumor necrosis factor receptor gene product can shed a naturally occur  
 A:Reference number: A36475; MUID:91045991; PMID:2172983  
 A:Accession: A36475  
 A:Status: preliminary  
 A:Molecule type: mRNA  
 A:Residues: 1-195, 'R', 197-461 <KOH>  
 A:Cross-references: UNIPARC:UPI000003475F; GB:M55994; GB:M38549; NID:9339757; PIDN:AAA36  
 R:Dembic, Z.; Loeschner, H.; Gubler, U.; Pan, Y.C.; Lahm, H.W.; Gentz, R.; Brockhaus, M.  
 Cytokine 2, 231-237, 1990  
 A:Title: Two human TNF receptors have similar extracellular, but distinct intracellular,  
 A:Reference number: A48416; MUID:91370690; PMID:1965549  
 A:Accession: A48416  
 A:Status: preliminary  
 A:Molecule type: mRNA, protein  
 A:Residues: 23-461 <DEM>  
 A:Cross-references: UNIPARC:UPI00001736E6; GB:S63368; NID:9235648; PIDN:AA19824.1; PID:  
 A:Note: sequence extracted from NCBI Backbone (NCBI:63368, NCBI:63371)  
 R:Heiler, R.A.; Song, K.; Onasch, M.A.; Fischer, W.H.; Chang, D.; Ringold, G.M.  
 Proc. Natl. Acad. Sci. U.S.A. 87, 6151-6155, 1990  
 A:Title: Complementary DNA cloning of a receptor for tumor necrosis factor and demonstre  
 A:Reference number: A36007; MUID:90349572; PMID:2166946  
 A:Accession: A36007  
 A:Status: preliminary  
 A:Molecule type: mRNA  
 A:Residues: 116-140, 'P', 142-195, 'R', 197-362, 'T', 364-461 <HEL>  
 A:Cross-references: UNIPARC:UPI000016B4D8; GB:M35857; NID:9339751; PIDN:AA63262.1; PID:  
 R:Loeschner, H.; Schlaeger, E.J.; Lahm, H.W.; Pan, Y.C.B.; Leisner, W.; Brockhaus, M.  
 J. Biol. Chem. 265, 20131-20138, 1990  
 A:Title: Purification and partial amino acid sequence analysis of two distinct tumor nec  
 A:Reference number: A23666; MUID:91056048; PMID:2173696  
 A:Accession: A23666  
 A:Status: preliminary  
 A:Molecule type: protein  
 A:Residues: 23-40, 65-69, 136-141, 300-306 <OE>  
 A:Cross-references: UNIPARC:UPI000020B9D; UNIPARC:UPI00001736E7; UNIPARC:UPI00001736E8;  
 R:Engelmann, H.; Novick, D.; Wallach, D.  
 J. Biol. Chem. 265, 1531-1536, 1990  
 A:Title: Two tumor necrosis factor-binding proteins purified from human urine. Evidence  
 A:Reference number: A35010; MUID:90110215; PMID:2151336  
 A:Accession: B35010  
 A:Status: preliminary  
 A:Molecule type: protein  
 A:Residues: 27-31 <ENG>  
 A:Cross-references: UNIPARC:UPI00001736EA  
 R:Kuhmert, P.; Kemper, O.; Wallach, D.  
 Gene 150, 381-386, 1994  
 A:Title: Cloning, sequencing and partial functional characterization of the 5' region of  
 A:Accession: 138094  
 A:Reference number: 138094; MUID:95121934; PMID:7821811  
 A:Status: preliminary; translated from GB/EMBL/DBJ  
 A:Molecule type: DNA  
 A:Residues: 1-37 <RES>  
 A:Cross-references: UNIPARC:UPI0000006D8; EMBL:X80021; NID:966044; PIDN:CAA56324.1; PI  
 C:Genetics:  
 A:Gene: GDB:TNFR2  
 A:Cross-references: GDB:125914; OMIM:191191  
 A:Map position: 1p36.2-1p36.2  
 A:Introns: 26/3  
 A:Note: the list of introns is incomplete  
 C:Superfamily: tumor necrosis factor receptor type 2 (TNFR2); NGF receptor repeat homolo  
 C:Keywords: duplication; glycoprotein; receptor; transmembrane protein  
 F:1-22/Domain: signal sequence #status predicted <SIG>  
 F:23-416/Product: tumor necrosis factor receptor 2 #status experimental <MAT>  
 F:40-76/Domain: NGF receptor repeat homology <NG1>  
 F:78-119/Domain: NGF receptor repeat homology <NG2>  
 F:120-162/Domain: NGF receptor repeat homology <NG3>  
 F:164-201/Domain: NGF receptor repeat homology <NG4>  
 F:265-279/Domain: transmembrane #status predicted <TMN>  
 F:280-461/Domain: intracellular #status predicted <INT>  
 F:171, 193/Binding site: carbohydrate (Asn) (covalent) #status predicted

Query Match 12.4%; Score 73; DB 1; Length 461;  
 Best Local Similarity 29.5%; Pred. No. 6.4;  
 Matches 28; Conservative 8; Mismatches 29; Indels 30; Gaps 6;  
 Oy 17 SDCA---VINGAGRD-----VQGAGTCCASLMLRLRMCTPL-----GREGGE- 59  
 Db 98 SRCSDDVETQACREONRITCTCRPGMYCALSK-QEGRICAPLRKCRPGGVARPGTET 156  
 Oy 60 -----CHPSHKVPPFRKRKHTTCPLNLCS 87  
 Db 157 SDVCKPCARCT-----FSMTSTETDCRHQIQIN 186  
 RESULT 15  
 S14458  
 laminin alpha-1 chain precursor - human  
 C:Species: Homo sapiens (man)  
 C:Date: 30-Sep-1991 #sequence\_revision 30-Sep-1991 #text\_change 09-Jul-2004  
 C:Accession: S14458; S14663; A34961  
 R:Haaparanta, T.; Uitto, J.; Ruoslahti, E.; Engvall, E.  
 Matrix 11, 151-160, 1991  
 A:Title: Molecular cloning of the cDNA encoding human laminin A chain.  
 A:Reference number: S14458; MUID:91333420; PMID:1714537  
 A:Accession: S14458  
 A:Status: not compared with conceptual translation  
 A:Molecule type: mRNA  
 A:Residues: 1-3075 <HAA>  
 A:Cross-references: UNIPROT:P25391; UNIPARC:UPI000012E763  
 R:Nashien, M.; Violetteano, R.; Boot-Handford, R.; Kallunki, P.; Tryggvason, K.  
 Biochem. J. 276, 369-379, 1991  
 A:Title: Primary structure of the human laminin A chain. Limited expression in human tis-  
 A:Reference number: S14663; MUID:91264789; PMID:2049067  
 A:Accession: S14663  
 A:Molecule type: mRNA  
 A:Residues: 1-227, 'FR', 230-251, 'MLP', 255-418, 'R', 420-518, 'L', 520-1022, 'V', 1024-1074, 'V',  
 A:Cross-references: UNIPARC:UPI000016B4B8; EMBL:X55531; NID:934225; PIDN:CAA41418.1; PID  
 R:Olson, D.; Nagayoshi, T.; Fazio, M.; Peltonen, J.; Jaakkola, S.; Samojorn, D.; Sasaki,  
 Lab. Invest. 60, 772-782, 1989  
 A:Title: Human laminin: cloning and sequence analysis of cDNAs encoding A, B1 and B2 cha  
 A:Reference number: A34961; MUID:89280632; PMID:2733383  
 A:Accession: A34961  
 A:Status: not compared with conceptual translation  
 A:Molecule type: mRNA  
 A:Residues: 'W', 2397-2745, 'L', 2747-3053, 'L', 3055-3072, 'PSP' <OLS>  
 A:Cross-references: UNIPARC:UPI0000177439  
 A:Note: the authors translated the codon AGA for residue 2692 as Pro  
 C:Genetics:  
 A:Gene: GDB:LAMAI, LAMA  
 A:Cross-references: GDB:120135; OMIM:150320  
 A:Map position: 18p11.32-18p11.22  
 C:Superfamily: laminin alpha-1 chain; laminin G repeat homology; laminin-type EGF-like h  
 C:Keywords: basement membrane; calcium binding; cell binding; coiled coil; disulfide bon  
 F:1-17/Domain: signal sequence #status predicted <SIG>  
 F:18-3075/Product: laminin alpha-1 chain #status predicted <MAT>  
 F:18-265/Domain: VI <DOM6>  
 F:270-516/Domain: V <DOM5>  
 F:327-334/Domain: laminin-type EGF-like homology <LE1>  
 F:337-394/Domain: laminin-type EGF-like homology <LE2>  
 F:397-451/Domain: laminin-type EGF-like homology <LE3>  
 F:454-500/Domain: laminin-type EGF-like homology <LE4>  
 F:503-512/Domain: laminin-type EGF-like homology #status atypical <LE5>  
 F:517-708/Domain: IIV <DO4B>  
 F:709-1159/Domain: IIR <DO3B>  
 F:709-739/Domain: laminin-type EGF-like homology #status atypical <LE6>  
 F:747-788/Domain: laminin-type EGF-like homology <LE7>  
 F:791-846/Domain: laminin-type EGF-like homology <LE8>  
 F:849-899/Domain: laminin-type EGF-like homology <LE9>  
 F:902-948/Domain: laminin-type EGF-like homology <LE10>  
 F:951-995/Domain: laminin-type EGF-like homology <LE11>  
 F:998-1041/Domain: laminin-type EGF-like homology <LE12>  
 F:1044-1087/Domain: laminin-type EGF-like homology <LE13>  
 F:1090-1109/Domain: laminin-type EGF-like homology #status atypical <LE14>

F;1111-1147/Domain: laminin-type EGF-like homology #status atypical <LE15>  
F;1150-1159/Domain: laminin-type EGF-like homology #status atypical <LE16>  
F;1160-1361/Domain: IIVa <DO3A>  
F;1362-1353/Domain: IIVa <DO3A>  
F;1362-1400/Domain: laminin-type EGF-like homology #status atypical <LE17>  
F;1403-1449/Domain: laminin-type EGF-like homology <LE18>  
F;1452-1506/Domain: laminin-type EGF-like homology <LE19>  
F;1509-1553/Domain: laminin-type EGF-like homology <LE20>  
F;1554-2125/Domain: I/II, heptad repeats <DOM2>  
F;2116-2120/Region: cell adhesion #status predicted  
F;2126-3075/Domain: G <DOMG>  
F;2142-2300/Domain: laminin G repeat homology <LG1>  
F;2329-2484/Domain: laminin G repeat homology <LG2>  
F;2510-2676/Domain: laminin G repeat homology <LG3>  
F;2534-2536/Region: cell attachment (R-G-D) motif  
F;2739-2888/Domain: laminin G repeat homology <LG4>  
F;2916-3073/Domain: laminin G repeat homology <LG5>  
F;38,164,555,665,763,801,838,926,952,1045,1407,1579,1596,1678,1689,1698,1717,1804,1894,1  
rate (Aen) (covalent) #status predicted  
F;297-305/Disulfide bonds: #status predicted

Query Match 12.4%; Score 73; DB 2; Length 3075;  
Best Local Similarity 23.0%; Pred. No. 32;  
Matches 23; Conservative 10; Mismatches 35; Indels 32; Gaps 4;

QY 19 CAVITGACERDVCGAGTCCALISLMLRGLMCTPL-----GRGEGCH-----P 62  
DB 1056 CDVVTGHCQCKSKRGACQCSLGYRDPDPCVPCDCLRGTSGDACNLBOGLCGVEET 1115  
QY 63 GSHKVPFRRKRKHATCPCLPNTL---CSRPPDGRYRCMD 99  
DB 1116 GA-----CPCKENVFPQCNCEGREGFPALRAD 1142

Search completed: March 30, 2006, 17:35:36  
Job time : 41 secs

GenCore version 5.1.7  
Copyright (c) 1993 - 2006 Bioacceleration Ltd.

OM protein - protein search, using sw model

Run on: March 30, 2006, 17:28:12 ; Search time 230 Seconds  
(without alignments)  
322.089 Million cell updates/sec

Title: US-10-692-299-2  
Perfect score: 589  
Sequence: 1 MRGATRVSIMLVTSDC.....CSRPPDGRYRCMDKNINF 105

Scoring table: BLOSUM62  
Gap 10.0 , Gapext 0.5

Searched: 2166443 seqs, 705528306 residues

Total number of hits satisfying chosen parameters: 2166443

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : UniProt 05.80.\*  
1: uniprot\_sprot.\*  
2: uniprot\_trembl.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	589	100.0	105	1 PROK1_HUMAN	P58294 homo sapien
2	589	100.0	105	2 Q5VWD4_HUMAN	Q5VWD4 homo sapien
3	588	99.8	105	2 Q8TC69_HUMAN	Q8TC69 homo sapien
4	545	92.5	105	1 PROK1_RAT	Q8414 ratius norv
5	432	73.3	81	2 Q8K457_MOUSE	Q8K457 mus musculu
6	321	54.5	106	2 Q4RVU3_TETNG	Q4RVU3 tetradon n
7	318	54.0	108	2 Q63H43_BOVIN	Q63H43 bos taurus
8	315	53.5	81	1 VERA_DENPO	P25687 dendroaspis
9	303	51.4	108	2 Q6ISR0_HUMAN	Q6ISR0 homo sapien
10	298.5	50.7	96	2 Q8JFQ0_BOMMX	Q8JFQ0 bomblina max
11	298	50.6	102	2 Q4SR12_TETNG	Q4SR12 tetradon n
12	298	50.6	107	1 PROK2_RAT	Q8413 ratius norv
13	298	50.6	107	2 Q50B37_9MURI	Q50B37 arvicanthis
14	298	50.6	107	2 Q50B38_9MURI	Q50B38 arvicanthis
15	298	50.6	128	2 Q863H5_BOVIN	Q863H5 bos taurus
16	293.5	49.8	96	2 Q5W280_BOMMX	Q5W280 bomblina ori
17	287.5	48.8	96	1 B78_BOMVA	Q9RW66 bomblina var
18	282.5	48.0	129	1 PROK2_HUMAN	Q8JC23 homo sapien
19	282.5	48.0	129	1 PROK2_HUMAN	Q8JC23 homo sapien
20	277.5	47.1	128	1 PROK2_MOUSE	Q9XU77 mus musculu
21	277.5	47.1	128	1 Q50B33_9MURI	Q50B33 arvicanthis
22	277.5	47.1	128	2 Q50B34_9MURI	Q50B34 arvicanthis
23	277.5	47.1	128	2 Q6V8J7_RAT	Q6V8J7 ratius norv
24	274.5	46.6	96	2 Q8JF66_BOMMX	Q8JF66 bomblina max
25	273.5	46.4	96	2 Q8JF68_BOMMX	Q8JF68 bomblina max
26	273.5	46.4	96	2 Q8JF71_BOMMX	Q8JF71 bomblina max
27	269.5	45.8	96	2 Q8JF73_BOMMX	Q8JF73 bomblina max
28	269.5	45.8	96	2 Q8JF70_BOMMX	Q8JF70 bomblina max
29	266.5	45.2	96	2 Q8JF72_BOMMX	Q8JF72 bomblina max
30	200	34.0	86	2 Q50B35_9MURI	Q50B35 arvicanthis
31	200	34.0	86	2 Q50B36_9MURI	Q50B36 arvicanthis

32	193	32.8	39	2	Q50B61_9MURI	Q50B61 arvicanthis
33	126.5	21.5	124	2	Q56R10_PENMO	Q56R10 penaeus mon
34	112	19.0	96	2	Q8UUX3_CHICK	Q8UUX3 gallus gall
35	109	18.5	104	2	Q56R11_PACLE	Q56R11 pacifastacu
36	108.5	18.4	221	1	DKK4_MOUSE	Q8VEJ3 mus musculu
37	107.5	18.3	224	1	DKK4_HUMAN	Q9UBJ3 homo sapien
38	107.5	18.3	350	1	DKK3_CHICK	Q90B83 gallus gall
39	104	17.7	255	2	Q9DD44_XENLA	Q9DD44 xenopus lae
40	102	17.3	180	2	Q4RUF1_TETNG	Q4RUF1 tetradon n
41	102	17.3	259	1	DKK2_HUMAN	Q9UBJ2 homo sapien
42	101.5	17.2	256	2	Q5EHU6_GECJA	Q5EHU6 gekko japon
43	101	17.1	259	1	DKK2_MOUSE	Q9GY28 mus musculu
44	101	17.1	259	1	Q8BFD0_MOUSE	Q8BFD0 m mus muscu
45	101	17.1	272	1	DKK1_MOUSE	Q54908 mus musculu

## ALIGNMENTS

RESULT 1	PROK1_HUMAN	STANDARD;	PRT;	105 AA.
AC	P58294;			
DT	16-OCT-2001 (Rel. 40, Last sequence update)			
DT	16-OCT-2001 (Rel. 40, Last sequence update)			
DT	13-SEP-2005 (Rel. 48, Last annotation update)			
DE	Prokineticin 1 precursor (Endocrine-gland-derived vascular endothelial growth factor) (EG-VEGF) (Mambakine).			
OS	Name=PROK1; ORFNames=UNQ600/PRO1186;			
GN	Homo sapiens (Human).			
OC	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;			
OC	Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Homnidae;			
CC	Homo.			
OX	NCBI_TaxID=9606;			
RN	[1]			
RP	NUCLEOTIDE SEQUENCE.			
RX	MEDLINE=21160229; PubMed=11259612;			
RA	Li M., Bullock C.M., Knaier D.J., Ehler F.J., Zhou Q.-Y.;			
RT	"Identification of two prokineticin cDNAs: recombinant proteins potentially contract gastrointestinal smooth muscle.";			
RL	Mol. Pharmacol. 59:692-698 (2001).			
RN	[2]			
RP	NUCLEOTIDE SEQUENCE.			
RX	MEDLINE=21419730; PubMed=11528470; DOI=10.1038/35091000;			
RA	LeCouter J., Kowaleki J., Foster J., Haas P., Zhang Z.;			
RA	Dillard-Telm L., Franz G., Rangel L., Deguzman L., Keller G.-A.;			
RA	Peale F., Gurney A., Hillan K.J., Ferrara N.;			
RT	"Identification of an angiogenic mitogen selective for endocrine gland endothelium.";			
RL	Nature 412:877-884 (2001).			
RN	[3]			
RP	NUCLEOTIDE SEQUENCE.			
RA	Fraser C.;			
RT	"Mambakine, a snake venom related endocrine hormone that controls macrophages.";			
RL	Submitted (Apr-2001) to the EMBL/GenBank/DBJ databases.			
RN	[4]			
RP	NUCLEOTIDE SEQUENCE [LARGE SCALE MRNA].			
RX	MEDLINE=22887296; PubMed=12975309; DOI=10.1101/gr.1293003;			
RA	Clark H.F., Gurney A.L., Abaya R., Baker K., Baldwin D.T., Bruch J.;			
RA	Chen J., Chow B., Chui C., Crowley C., Currell B., Deuel B., Dowd P.;			
RA	Bacon D., Foster J.S., Grimaldi C., Gu Q., Haas P.E., Heldens S.;			
RA	Huang A., Kim H.S., Klimowski L., Jin Y., Johnson S., Lee J.;			
RA	Lewis L., Liao D., Mark M.R., Robble B., Sanchez C., Schoenfeld J.;			
RA	Sehagiri S., Simmons L., Singh V., Smith V., Stinson J., Vagtes A.;			
RA	Vandian R.L., Watanabe C., Wieland D., Woods K., Xie M.-H.;			
RA	Yanusa D.G., Yi S., Yu G., Yuan J., Zhang M., Zhang Z., Goddard A.D.;			
RA	Wood W.I., Godowski P.J., Gray A.M.;			
RT	"The secreted protein discovery initiative (SPDI), a large-scale effort to identify novel human secreted and transmembrane proteins: a bioinformatics assessment.";			
RL	Genome Res. 13:2265-2270 (2003).			
RN	[5]			

RP PROTEIN SEQUENCE OF 20-34.  
 RX PubMed=15340161; DOI=10.1110/ps.04682504;  
 RA Zhang Z., Henzel W.J.;  
 RT "Signal peptide prediction based on analysis of experimentally  
 RT verified cleavage sites";  
 RL Protein Sci. 13:2819-2824(2004).  
 CC -1-FUNCTION: Potentially contract gastrointestinal (GI) smooth muscle.  
 CC Induces proliferation, migration and fenestration (the formation  
 CC of membrane discontinuities) in capillary endothelial cells  
 CC derived from endocrine glands. Has little or no effect on a  
 CC variety of other endothelial and non-endothelial cell types.  
 CC -1-SUBCELLULAR LOCATION: Secreted.  
 CC -1-TISSUE SPECIFICITY: Expressed in the steroidogenic glands, ovary,  
 CC testis, adrenal and placenta.  
 CC -1-SIMILARITY: Belongs to the prokinectin family.  
 CC -----  
 CC This Swiss-Prot entry is copyright. It is produced through a collaboration  
 CC between the Swiss Institute of Bioinformatics and the EMBL outstation -  
 CC the European Bioinformatics Institute. There are no restrictions on its  
 CC use as long as its content is in no way modified and this statement is not  
 CC removed.  
 CC -----  
 DR EMBL; AF333024; AAK49918.1; -; mRNA.  
 DR EMBL; AY029225; AAK33111.1; -; mRNA.  
 DR EMBL; AY358683; AAO89046.1; -; mRNA.  
 DR HSSP; P25687; 11MT.  
 DR Ensembl; ENSG00000143125; Homo sapiens.  
 DR HGNC; HGNC:18454; PROKL.  
 DR H-InvDB; HIX0000868; -.  
 DR MIM; 606233; -.  
 DR InterPro; IPR009523; Prokinectin.  
 DR PANTHER; PTHR18821; Prokinectin; 1.  
 DR Pfam; PF06607; Prokinectin; 1.  
 KW Direct protein sequencing; Growth factor; Mitogen; Signal.  
 FT SIGNAL 1 19 Prokinectin 1.  
 FT CHAIN 20 105 By similarity.  
 FT DISULFID 26 38 By similarity.  
 FT DISULFID 32 50 By similarity.  
 FT DISULFID 37 78 By similarity.  
 FT DISULFID 60 86 By similarity.  
 FT DISULFID 96 By similarity.  
 SQ SEQUENCE 105 AA; 11715 MW; C7E3FDE30EFB416A CRC64;

Query Match 100.0%; Score 589; DB 1; Length 105;  
 Best Local Similarity 100.0%; Pred. NO. 9.2e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCATSLWRGLRMCTPLGRGESEC 60  
 DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCATSLWRGLRMCTPLGRGESEC 60  
 QY 61 HPGSHKVPFPRKRKHTCPCLPMLCSRFPDGRYRCMDLKNINF 105  
 DB 61 HPGSHKVPFPRKRKHTCPCLPMLCSRFPDGRYRCMDLKNINF 105

RESULT 2  
 OSVMD4\_HUMAN PRELIMINARY; PRT; 105 AA.  
 ID OSVMD4\_HUMAN PRELIMINARY; PRT; 105 AA.  
 AC OSVMD4;  
 DT 01-FEB-2005 (TrEMBLrel. 29, Created)  
 DT 01-FEB-2005 (TrEMBLrel. 29, Last sequence update)  
 DT 13-SEP-2005 (TrEMBLrel. 31, Last annotation update)  
 DE Prokinectin 1.  
 GN Name=PROKL; ORFNames=RP11-470L19.1-001;  
 OS Homo sapiens (Human).  
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 OC Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;  
 OC Homo.  
 NCBI\_TaxID=9606;  
 RX Nucleotide sequence.  
 RP Hall R.;

RL Submitted (May-2005) to the EMBL/GenBank/DBJ databases.  
 RN [2]  
 RP NUCLEOTIDE SEQUENCE.  
 RA Wallis J.;  
 RT Submitted (May-2005) to the EMBL/GenBank/DBJ databases.  
 RL EMBL; AL390797; CAH71489.1; -; Genomic DNA.  
 DR EMBL; AL358215; CAH74102.1; -; Genomic DNA.  
 DR EMBL; AL358215; CAH71489.1; JOINED; Genomic DNA.  
 DR EMBL; AL390797; CAH74102.1; JOINED; Genomic DNA.  
 SQ SEQUENCE 105 AA; 11715 MW; C7E3FDE30EFB416A CRC64;

Query Match 100.0%; Score 589; DB 2; Length 105;  
 Best Local Similarity 100.0%; Pred. NO. 9.2e-54;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCATSLWRGLRMCTPLGRGESEC 60  
 DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCATSLWRGLRMCTPLGRGESEC 60  
 QY 61 HPGSHKVPFPRKRKHTCPCLPMLCSRFPDGRYRCMDLKNINF 105  
 DB 61 HPGSHKVPFPRKRKHTCPCLPMLCSRFPDGRYRCMDLKNINF 105

RESULT 3  
 OSVMD4\_HUMAN PRELIMINARY; PRT; 105 AA.  
 ID OSVMD4\_HUMAN PRELIMINARY; PRT; 105 AA.  
 AC OSVMD4;  
 DT 01-JUN-2002 (TrEMBLrel. 21, Created)  
 DT 01-JUN-2002 (TrEMBLrel. 21, Last sequence update)  
 DT 01-MAR-2004 (TrEMBLrel. 26, Last annotation update)  
 DE Prokinectin 1.  
 GN Name=PROKL;  
 OS Homo sapiens (Human).  
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 OC Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;  
 OC Homo.  
 NCBI\_TaxID=9606;  
 RX Nucleotide sequence.  
 RP Hall R.;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCATSLWRGLRMCTPLGRGESEC 60  
 DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCATSLWRGLRMCTPLGRGESEC 60  
 QY 61 HPGSHKVPFPRKRKHTCPCLPMLCSRFPDGRYRCMDLKNINF 105  
 DB 61 HPGSHKVPFPRKRKHTCPCLPMLCSRFPDGRYRCMDLKNINF 105

Query Match 99.8%; Score 588; DB 2; Length 105;  
Best Local Similarity 99.0%; Pred. No. 1.2e-53;  
Matches 104; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRGATRVIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLRGREGSEC 60  
Db 1 MRGATRVIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLRGREGSEC 60

Qy 61 HPGSHKVPFPRKRRKHTCPCLPNLLCSRPDPGRYRCSDMLKNINF 105  
Db 61 HPGSHKVPFPRKRRKHTCPCLPNLLCSRPDPGRYRCSDMLKNINF 105

RESULT 4  
PROK1 RAT STANDARD; PRT; 105 AA.

ID PROK1 RAT STANDARD; PRT; 105 AA.  
AC O8R414;  
DT 10-OCT-2003 (Rel. 42, Last sequence update)  
DT 10-OCT-2003 (Rel. 42, Last sequence update)  
DT 10-MAY-2005 (Rel. 47, Last annotation update)  
DE Prokineticin 1 precursor (Endocrine-gland-derived vascular endothelial growth factor) (EG-VEGF).  
GN Name=Prok1;  
OS Rattus norvegicus (Rat).  
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
OC Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi;  
OC Muridae; Murinae; Murinae; Rattus.  
OX NCBI\_TaxID=10116;  
RN [1]  
RP NUCLEOTIDE SEQUENCE.  
RC STRAIN=Sprague-Dawley;  
RX MEDLINE=22050031; PubMed=12054613; DOI=10.1016/S0006-291X(02)00239-5;  
RA Maduda Y., Takatsu Y., Texao Y., Kumano S., Ishibashi Y., Suenaga M.,  
RA Abe M., Fukusumi S., Watanabe T., Shintani Y., Yamada T., Hinuma S.,  
RA Inatomi N., Ohtaki T., Onda H., Fujino M.;  
RT "Isolation and identification of EG-VEGF/prokineticin as cognate  
ligands for two orphan G-protein-coupled receptors.";  
RL Biochem. Biophys. Res. Commun. 293:396-402(2002).  
CC -1- FUNCTION: Potently contract gastrointestinal (GI) smooth muscle.  
CC Induces proliferation, migration and fenestration (the formation  
CC of membrane discontinuities) in capillary endothelial cells  
CC derived from endocrine glands. Has little or no effect on a  
CC variety of other endothelial and non-endothelial cell types (By  
CC similarity).  
CC -1- SUBCELLULAR LOCATION: Secreted (By similarity).  
CC -1- SIMILARITY: Belongs to the prokinectin family.  
CC -----  
CC This Swiss-Prot entry is copyright. It is produced through a collaboration  
CC between the Swiss Institute of Bioinformatics and the EMBL outstation -  
CC the European Bioinformatics Institute. There are no restrictions on its  
CC use as long as its content is in no way modified and this statement is not  
CC removed.  
CC -----  
CC EMBL; AY089983; AAM09104.1; -; mRNA.  
CC HSSP; P25687; 11MT.  
CC DR Ensembl; ENSMUSG00000018201; Rattus norvegicus.  
CC DR RGD; 620898; Prok1.  
CC DR GO; GO:0008283; P:cell proliferation; TAS.  
CC DR GO; GO:0045765; P:regulation of angiogenesis; NAS.  
CC DR InterPro; IPR009523; Prokinectin.  
CC DR PANTHER; PTHR18821; Prokinectin; 1.  
CC DR Pfam; PF06607; Prokinectin; 1.  
CC DR Growth factor; Mitogen; Signal.  
CC FT CHAIN 1 19 potential.  
FT SIGNAL 1 19 potential.  
FT DISULFID 26 105 By similarity.  
FT DISULFID 32 38 By similarity.  
FT DISULFID 37 50 By similarity.  
FT DISULFID 60 86 By similarity.  
FT DISULFID 80 96 By similarity.  
FT DISULFID 80 96 By similarity.  
SQ SEQUENCE 105 AA; 11643 MW; 8DF0CA2122B1C5B6 CRC64;

Query Match 92.5%; Score 545; DB 1; Length 105;  
Best Local Similarity 89.5%; Pred. No. 3.7e-49;  
Matches 94; Conservative 6; Mismatches 5; Indels 0; Gaps 0;

Qy 1 MRGATRVIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLRGREGSEC 60  
Db 1 MRGATRVIMLLVTVSDCAVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLRGREGSEC 60

Qy 61 HPGSHKVPFPRKRRKHTCPCLPNLLCSRPDPGRYRCSDMLKNINF 105  
Db 61 HPGSHKVPFPRKRRKHTCPCLPNLLCSRPDPGRYRCSDMLKNINF 105

RESULT 5  
Q8K457 MOUSE PRELIMINARY; PRT; 81 AA.

ID Q8K457 MOUSE PRELIMINARY; PRT; 81 AA.  
AC Q8K457;  
DT 01-OCT-2002 (TReMBLrel. 22, Last sequence update)  
DT 01-OCT-2002 (TReMBLrel. 22, Last sequence update)  
DT 01-MAR-2004 (TReMBLrel. 26, Last annotation update)  
DE Prokineticin 1 (Fragment).  
GN Name=Prok1; Synonyms=Pkl1;  
OS Mus musculus (Mouse).  
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
OC Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi;  
OC Muridae; Murinae; Mus.  
OX NCBI\_TaxID=10090;  
RN [1]  
RP NUCLEOTIDE SEQUENCE.  
RC STRAIN=C57BL/6;  
RX MEDLINE=22022134; PubMed=12024206; DOI=10.1038/417405a;  
RA Cheng M.-Y., Bellack C.M., Li C., Lee A.G., Bertak J.C., Belluzzi J.,  
RA Weaver D.R., Leslie F.M., Zhou Q.-Y.;  
RT "Prokineticin 2 transmits the behavioural circadian rhythm of the  
RT suprachiasmatic nucleus.";  
RL Nature 417:405-410(2002).  
DR EMBL; AF467281; AAM49573.1; -; mRNA.  
DR HSSP; P25687; 11MT.  
DR DR Ensembl; ENSMUSG00000046213; Mus musculus.  
DR MGJ; MGJ.2180370; Prok1.  
DR GO; GO:0005576; C:extracellular region; IDA.  
DR GO; GO:0000187; P:activation of MAPK; IDA.  
DR GO; GO:0007623; P:circadian rhythm; TAS.  
DR GO; GO:0008284; P:positive regulation of cell proliferation; IDA.  
DR GO; GO:0045765; P:regulation of angiogenesis; IDA.  
DR InterPro; IPR009523; Prokinectin.  
DR PANTHER; PTHR18821; Prokinectin; 1.  
DR Pfam; PF06607; Prokinectin; 1.  
FT NON\_TER 1 1  
SQ SEQUENCE 81 AA; 9192 MW; 7BBE3EC6B16A8011 CRC64;

Query Match 73.3%; Score 432; DB 2; Length 81;  
Best Local Similarity 87.7%; Pred. No. 1.8e-37;  
Matches 71; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

Qy 25 ACERDVQCGAGTCCCAISLWLRGLRMCTPLRGREGSEC HPGSHKVPFPRKRRKHTCPCLPNL 84  
Db 1 ACERDVQCGAGTCCCAISLWLRGLRMCTPLRGREGSEC HPGSHKVPFPRKRRKHTCPCLPNL 80

Qy 85 LCSRPDPGRYRCSDMLKNINF 105  
Db 61 LCSRPDPGRYRCSDMLKNINF 81

RESULT 6  
Q4RVU3 TESTING PRELIMINARY; PRT; 106 AA.

ID Q4RVU3 TESTING PRELIMINARY; PRT; 106 AA.  
AC Q4RVU3;  
DT 13-SEP-2005 (TReMBLrel. 31, Created)  
DT 13-SEP-2005 (TReMBLrel. 31, Last sequence update)  
DT 13-SEP-2005 (TReMBLrel. 31, Last annotation update)  
DE Chromosome 9 SCAFI4991, whole genome shotgun sequence.  
DE (Fragment).

GN ORFNames=GSTENG0028169001;  
 OS Tetradodon nigroviridis (Green puffer).  
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 OC Actinopterygii; Neopterygii; Teleostei; Euteleostei;  
 OC Acanthomorpha; Acanthopterygii; Percomorpha; Tetraodontiformes;  
 OC Tetraodontidae; Tetraodontidae; Tetraodon.  
 NC NCBITaxID=99883;  
 RN [1]  
 RP NUCLEOTIDE SEQUENCE.  
 RA Jallion O., Aury J.M., Brunet F., Petit J.L., Stange-Thomann N.,  
 RA Maucell E., Bouneau L., Fischer C., Ozouf-Costaz C., Bernot A.,  
 RA Micaud S., Jaffe D., Fisher S., Lutfalla G., Dossat C., Segurens B.,  
 RA Desliya C., Salanoubat M., Levy M., Boudet N., Castellano S.,  
 RA Anthonard V., Jabin C., Castell V., Karinka M., Vacherie B.,  
 RA Blomont C., Skalli Z., Cattolico L., Poulain J., De Bernardis V.,  
 RA Cruaud C., Duprat S., Brottier P., Couanceau J.P., Gouzy J.,  
 RA Parra G., Lardier G., Chapelle C., McKernan K.J., McEwan P., Bosak S.,  
 RA Kellis M., Volff J.N., Guigo R., Zody M.C., Mesirov J.,  
 RA Lindblad-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,  
 RA Lauder V., Schachter V., Quetier F., Saurin W., Scarpelli C.,  
 RA Wincker P., Lander E.S., Weissenbach J., Roest Crollius H.,  
 RT "Genome duplication in the teleost fish Tetradodon nigroviridis reveals  
 the early vertebrate proto-karyotype.";  
 RL Nature 431:946-957(2004).  
 RN [2]  
 RP NUCLEOTIDE SEQUENCE.  
 RG Genoscope, Whitehead Institute Centre for Genome Research;  
 RL Submitted (FEF-2004) to the EMBL/GenBank/DBJ databases.  
 CC -1- CAUTION: The sequence shown here is derived from an  
 EMBL/GenBank/DBJ whole genome shotgun (WGS) entry which is  
 preliminary data.  
 CC EMBL: CAE01014991; CAG07489.1; -; Genomic\_DNA.  
 FT NON TER 106 106  
 SQ SEQUENCE 106 AA; 12098 MW; 8DA4DC1B388B3052 CRC64;  
 QY Query Match 54.5%; Score 321; DB 2; Length 106;  
 Best Local Similarity 56.4%; Pred. No. 9.5e-26;  
 Matches 57; Conservative 20; Mismatches 24; Indels 0; Gaps 0;  
 QY 4 ATRVSTMLLVTVSDCAVITGACERDVQCGAGTCACISLWIRGLRMCTPLGRSGEECHPG 63  
 Db 5 AVLSIFLPLVLSWSRGAVITGAREKHQCGFLFCFSVSLIRGLRMCAFGLEDGECYF 64  
 QY 64 SHKVPRFRKRKHHTCPCLPMLCSRFPPDGRRCMDKXIN 104  
 Db 65 SHKVPRFRKRKHHTCPCLPMLCSRFPPDGRRCMDKXIN 105  
 RESULT 7  
 0863H4\_BOVIN PRELIMINARY; PRT; 108 AA.  
 ID 0863H4;  
 AC 0863H4;  
 DT 01-JUN-2003 (TREMBLrel. 24, Created)  
 DT 01-JUN-2003 (TREMBLrel. 24, Last sequence update)  
 DT 01-MAR-2004 (TREMBLrel. 26, Last annotation update)  
 DE Bv8/prokineticin 2-like protein splice variant.  
 OS Bos taurus (Bovine).  
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 OC Mammalia; Eutheria; Laurasiatheria; Cetartiodactyla; Ruminantia;  
 OC Pecora; Bovidae; Bovinae; Bos.  
 NC NCBITaxID=9913;  
 RN [1]  
 RP NUCLEOTIDE SEQUENCE.  
 RA TISSUE=Testis;  
 RX MEDLINE=22612805; PubMed=12728244; DOI=10.1038/gj.embor.embor830;  
 RA Kaser A., Winklnay M., Lepperdinger G., Krell G.;  
 RT "The AVIT protein family";  
 RL EMO Rep. 4:469-473(2003).  
 DR EMBL: AY192558; AAP31907.1; -; mRNA.  
 DR HSSP: P25687; 11MT.  
 DR InterPro: IPR009523; Prokineticin.  
 DR PANTHER: PTHR18821; Prokineticin; 1.  
 Pfam: PF06607; Prokineticin; 1.

SQ SEQUENCE 108 AA; 11672 MW; C0041039A9B215E CRC64;  
 QY Query Match 54.0%; Score 318; DB 2; Length 108;  
 Best Local Similarity 51.9%; Pred. No. 2e-25;  
 Matches 54; Conservative 15; Mismatches 27; Indels 8; Gaps 1;  
 QY 1 MGATRVSTMLLV-----TVSDCAVITGACERDVQCGAGTCACISLWIRGLRMCTP 52  
 Db 1 MESSRCARLLDLLLPPLITPPAGDAVITGACDDPQCGGMCACVSLWVSIKCTP 60  
 QY 53 LGREGECHPGSHKVPFRKRKHHTCPCLPMLCSRFPPDGRRC 96  
 Db 61 MGKVGDSCHPMTRKVPFLGRMHHTCPCLPGLACRSRTSFRRYC 104  
 RESULT 8  
 ID 0863H4\_BOVIN PRELIMINARY; PRT; 81 AA.  
 AC P25687;  
 DT 01-MAY-1992 (Rel. 22, Created)  
 DT 13-SEP-2005 (Rel. 48, Last sequence update)  
 DT 13-SEP-2005 (Rel. 48, Last annotation update)  
 DE Intestinal toxin 1 (Mamba intestinal toxin 1) (MIT1) (Venom  
 protein A).  
 OS Dendroaspis polylepsis polylepsis (Black mamba).  
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 OC Lepidosaurs; Squamata; Scleroglossa; Serpentes; Colubroidae;  
 OC Elapidae; Elapinae; Dendroaspis.  
 NC NCBITaxID=8620;  
 RN [1]  
 RP PROTEIN SEQUENCE OF 1-80.  
 RC TISSUE=Venom;  
 RX MEDLINE=8115818; PubMed=7461607;  
 RA Uebert F.J., Scrymgeour D.J.;  
 RT "Snake venom. The amino acid sequence of protein A from Dendroaspis  
 polylepsis polylepsis (black mamba) venom.";  
 RT Hoppe-Seyler's Z. Physiol. Chem. 361:1787-1794(1980).  
 RN [2]  
 RP PROTEIN SEQUENCE, AND CHARACTERIZATION.  
 RC TISSUE=Venom;  
 RX MEDLINE=20036442; PubMed=10567694; DOI=10.1016/S0014-5793(99)01459-3;  
 RA Schweitz H., Pascaud P., Dichoat S., Moinier D., Lazdunski M.;  
 RT "MIT1, a black mamba toxin with a new and highly potent activity on  
 intestinal contraction.";  
 RL FEBS Lett. 461:183-188(1998).  
 RN [3]  
 RP STRUCTURE BY NMR OF 1-81, AND DISULFIDE BONDS.  
 RC TISSUE=Venom;  
 RX MEDLINE=98437381; PubMed=9761684; DOI=10.1006/jmbi.1998.2057;  
 RA Boisbouvier J., Albrand J.-P., Blackledge M., Jégouin M.,  
 RA Schweitz H., Lazdunski M., Marion D.;  
 RT "A structural homologue of colipase in black mamba venom revealed by  
 NMR floating disulphide bridge analysis.";  
 RL J. Mol. Biol. 283:205-219(1998).  
 CC -1- FUNCTION: Potentially contracts gastrointestinal (GI) smooth muscle.  
 CC May act on potassium channels, but not on Kv1.1, Kv1.2, Kv1.3,  
 CC Kv1.4, Kv1.5, Kv2.1, Kv3.4, Kv4.2, TREK-1, HERG, KCNQ1, KCNQ2,  
 CC KCNQ3, IRK1, IRK2, KORK1, GIRK1,2 and GIRK4.4.  
 CC -1- SUBCELLULAR LOCATION: Secreted.  
 CC -1- SIMILARITY: Belongs to the prokineticin family.  
 CC This Swiss-Prot entry is copyright. It is produced through a collaboration  
 CC between the Swiss Institute of Bioinformatics and the EMBL outstation -  
 CC the European Bioinformatics Institute. There are no restrictions on its  
 CC use as long as its content is in no way modified and this statement is not  
 CC removed.  
 DR PDB: 11MT; NMR: @=1-81.  
 KM 3D-structure; Direct protein sequencing; Toxin.  
 FT DISULFID 7 19  
 FT DISULFID 13 31  
 FT DISULFID 18 59  
 FT DISULFID 41 67

FT DISULFID 61 77  
 FT VARIANT 72 72 P -> Q (in protein A').  
 FT CONFLICT 18 18 C -> S (in Ref. 1).  
 FT CONFLICT 22 22 S -> C (in Ref. 1).  
 FT CONFLICT 54 54 R -> RK (in Ref. 1).  
 SQ SEQUENCE 81 AA, 8604 MW, 5F6B703434338B03 CRC64;

Query Match 53.5%; Score 315; DB 1; Length 81;  
 Best Local Similarity 62.3%; Pred. No. 3.1e-25;  
 Matches 48; Conservative 14; Mismatches 15; Indels 0; Gaps 0;

QY 20 AVITGACRDVOCGAGTCALSLMLRGLRMCTPLGRBEECHPGSHKVPFRKXHTCP 79  
 DB 1 AVITGACERDLQCGKGTCCAVSLMKSVYCTPGTSGEDCHPASHKIPFGQRHHTCP 60  
 QY 80 CLPNLCSRFPDGRYRC 96  
 DB 61 CAPNLACVQTSPPKKFKC 77

## RESULT 9

Q6ISRO HUMAN PRELIMINARY; PRT; 108 AA.  
 AC Q6ISRO?  
 DT 05-JUL-2004 (TrEMBLrel. 27, Created)  
 DT 05-JUL-2004 (TrEMBLrel. 27, Last sequence update)  
 DT 13-SEP-2005 (TrEMBLrel. 31, Last annotation update)  
 DE Prokinecin 2.  
 GN Name=PROK2;  
 OS Homo sapiens (Human).  
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 CC Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Homnidae;  
 OC Homo.  
 OX NCBI\_TaxID=9606;

RA [1]  
 RP NUCLEOTIDE SEQUENCE.  
 RC TISSUE=PCR rescued clones;  
 RX MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;  
 RA Strauberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,  
 RA Klausner R.D., Collins F.S., Wagner L., Shennan C.M., Schuler G.D.,  
 RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bat N.K.,  
 RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,  
 RA Diatchenko L., Marudina K., Farmer A.A., Rubin G.M., Hong L.,  
 RA Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,  
 RA Brownstein M.J., Ueda T.B., Toshiyuki S., Carrinci P., Prange C.,  
 RA Raba S.S., Loquellano N.A., Peters G.J., Abramson R.D., Muliahy S.J.,  
 RA Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,  
 RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,  
 RA Villalón D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,  
 RA Fahey J., Helton E., Kettelman M., Madan A., Rodriguez S., Sanchez A.,  
 RA Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,  
 RA Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,  
 RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,  
 RA Buterfield V.S.N., Krzywinski M.T., Skalske J., Smalhus D.B.,  
 RA Scherch A., Schein J.E., Jones S.J.W., Marra M.A.;  
 RT "Generation and initial analysis of more than 15,000 full-length human  
 RT and mouse cDNA sequences.";  
 RL Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903 (2002).  
 RA [2]  
 RP NUCLEOTIDE SEQUENCE.  
 RC TISSUE=PCR rescued clones;  
 RA Strauberg R.;  
 RL Submitted (Apr-2004) to the EMBL/GenBank/DBJ databases.  
 RA [3]  
 RP NUCLEOTIDE SEQUENCE.  
 RC TISSUE=PCR rescued clones;  
 RG NIH MGC Project;  
 RL Submitted (May-2005) to the EMBL/GenBank/DBJ databases.  
 RA [4]  
 RP NUCLEOTIDE SEQUENCE.  
 RC TISSUE=PCR rescued clones;  
 RG NIH MGC Project;  
 RL Submitted (Jun-2005) to the EMBL/GenBank/DBJ databases.

DR EMBL; BC069395; AAH69395.1; -, mRNA.  
 DR EMBL; BC096695; AAH96695.1; -, mRNA.  
 DR EMBL; BC098110; AAH98110.1; -, mRNA.  
 DR Ensembl; ENSG00000163421; Homo sapiens.  
 DR InterPro; IPR009523; Prokinecin.  
 DR Pfam; PF06607; Prokinecin; 1.  
 SQ SEQUENCE 108 AA; 11659 MW; D7AF89D851A97FC CRC64;

Query Match 51.4%; Score 303; DB 2; Length 108;  
 Best Local Similarity 55.2%; Pred. No. 7.3e-24;  
 Matches 48; Conservative 15; Mismatches 24; Indels 0; Gaps 0;

QY 10 MLILVTSDDAVITGACERDVOCGAGTCALSLMLRGLRMCTPLGRBEECHPGSHKVP 69  
 DB 18 LLLTPRAGDAVAITGACDKDSQCGGCAVSIWVSIRICTPWGLGSDCHPLTRVPV 77  
 QY 70 FRKXKHTCPCLPNLCSRFPDGRYRC 96  
 DB 78 FGRRHHTCPCLPELACTRTSPFRFTC 104

## RESULT 10

Q8FQO BOMMX PRELIMINARY; PRT; 96 AA.  
 AC Q8FQO?  
 DT 01-OCT-2002 (TrEMBLrel. 22, Created)  
 DT 01-OCT-2002 (TrEMBLrel. 22, Last sequence update)  
 DT 01-MAR-2004 (TrEMBLrel. 26, Last annotation update)  
 DE Bv6 protein homolog 2.  
 OS Bombina maxima (Giant fire-bellied toad) (Chinese red belly toad).  
 CC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 CC Amphibia; Batrachia; Anura; Archaeobatrachia; Bombinatoridae; Bombina.  
 OX NCBI\_TaxID=161274;  
 RA [1]  
 RP NUCLEOTIDE SEQUENCE.  
 RC TISSUE=Skin secretions;  
 RX MEDLINE=22515712; PubMed=12628381; DOI=10.1016/S1096-4959(02)00294-4;  
 RA Lai R., Liu H., Lee W.H., Zhang Y.;  
 RT "Two novel Bv8-like peptides from skin secretions of the toad Bombina  
 RT maxima.";  
 RL Comp. Biochem. Physiol. B, Biochem. Mol. Biol. 134:509-514 (2003).  
 DR EMBL; AF411091; AA03822.1; -, mRNA.  
 DR HSP; P25687; IIMT.  
 DR InterPro; IPR009523; Prokinecin.  
 DR PANTHER; PTHR18821; Prokinecin; 1.  
 DR Pfam; PF06607; Prokinecin; 1.  
 SQ SEQUENCE 96 AA; 10198 MW; EC4BA5BFE49B2F0 CRC64;

Query Match 50.7%; Score 298.5; DB 2; Length 96;  
 Best Local Similarity 53.6%; Pred. No. 1.9e-23;  
 Matches 52; Conservative 16; Mismatches 28; Indels 1; Gaps 1;

QY 1 MRGATRSIMLTVTSDDAVITGACERDVOCGAGTCALSLMLRGLRMCTPLGRBEECH 60  
 DB 1 MKCAQAVLVLLVAFHGAVITGACDRDVOCSSGTCCASLMSRNIRFCVLANNEEC 60

QY 61 HPQSHKVPFRKXKHTCPCLPNLCSRFPDGRYRC 97  
 DB 61 HPASHKVPYNGKRLSSLCPSGLTSGSGE-KFGCS 96

## RESULT 11

Q4SR12 TETNG PRELIMINARY; PRT; 102 AA.  
 AC Q4SR12?  
 DT 13-SEP-2005 (TrEMBLrel. 31, Created)  
 DT 13-SEP-2005 (TrEMBLrel. 31, Last sequence update)  
 DT 13-SEP-2005 (TrEMBLrel. 31, Last annotation update)  
 DE Chromosome 11 SCAR14528, whole genome shotgun sequence.  
 GN ORFNames=GSTENG00014129001;  
 OS Tetradodon nigroviridis (Green puffer).  
 CC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

OC Actinopterygii; Neopterygii; Teleostei; Euteleostei; Neoteleostei;  
 OC Acanthomorpha; Acanthopterygii; Percomorpha; Tetraodontiformes;  
 OC Tetraodontidae; Tetraodontidae; Tetraodon.  
 OX NCBI\_TaxID=99883;  
 RN  
 RP NUCLEOTIDE SEQUENCE.  
 RA Jullien O., Aury J.M., Brunet F., Petit J.L., Strange-Thomann N.,  
 RA Mancel E., Bouneau L., Fischer C., Ozouf-Costaz C., Bernot A.,  
 RA Nicaud S., Jaffe D., Fisher S., Lutfalla G., Dossat C., Segurens B.,  
 RA Desliya C., Salanoubat M., Levy M., Boudet N., Castellano S.,  
 RA Anthonard V., Jubin C., Castell V., Katinka M., Vacherie B.,  
 RA Blémond C., Skalli Z., Cattoilco L., Poullain J., De Berardinis V.,  
 RA Cuenat C., Duprat S., Broctier P., Couanceau J.P., Gouzy J.,  
 RA Parra G., Lardier G., Chapple C., McKernan K.J., McEwan P., Bosak S.,  
 RA Kellis M., Wolf J.N., Guigo R., Zody M.C., Mesirov J.,  
 RA Lindblad-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,  
 RA Lander V., Schachter V., Quetier F., Saurin W., Scarpelli C.,  
 RA Wincker P., Lander E.S., Weissbach J., Roest Crolius H.,  
 RT "Genome duplication in the teleost fish Tetraodon nigroviridis reveals  
 the early vertebrate proto-karyotype."  
 RL Nature 431:946-957(2004).  
 RN  
 RP NUCLEOTIDE SEQUENCE.  
 RG Genoscope; Whitehead Institute Centre for Genome Research;  
 RL Submitted (FEB-2004) to the EMBL/GenBank/DBJ databases.  
 CC -1- CATTION: The sequence shown here is derived from an  
 EMBL/GenBank/DBJ whole genome shotgun (WGS) entry which is  
 preliminary data.  
 CC EMBL; CAAB01014528; CAF96920.1; -; Genomic\_DNA.  
 DR NON TER 102 102  
 FT SEQUENCE 102 AA; 11062 MW; 470A2CDF2D069043 CRC64;  
 SQ  
 Query Match 50.6%; Score 298; DB 2; Length 102;  
 Best Local Similarity 57.8%; Pred. No. 2.3e-23;  
 Matches 52; Conservative 9; Mismatches 15; Indels 14; Gaps 1;  
 QY 11 LLLVTVSDCAVITGACERDVCGAGTCCATSLMLRGLRMCTPLGREGBCHP----- 62  
 DB 11 LLLVSRSSAVITGACERDSCGGGLCCAVSLMIRSLRLCMGABSDCHPSQATSYL 70  
 QY 63 -----GSHKVPFPRKRRKHTTCTCLPNILC 86  
 DB 71 VEGPSSSSFOVPFGKRLHHTCTCLPNLSC 100  
 RESULT 12  
 PROK2 RAT STANDARD; PRT; 107 AA.  
 ID PROK2 RAT  
 AC O8R413;  
 DT 28-FEB-2003 (Rel. 41, Created)  
 DT 28-FEB-2003 (Rel. 41, Last sequence update)  
 DT 10-MAY-2005 (Rel. 47, Last annotation update)  
 DE Prokineticin 2 precursor (PK2).  
 GN Name=Prok2; Synonyms=Bv8;  
 OS Rattus norvegicus (Rat).  
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 OC Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi;  
 OC Muridea; Muridae; Murinae; Rattus.  
 OX NCBI\_TaxID=10116;  
 RN  
 RP NUCLEOTIDE SEQUENCE.  
 RC STRAIN=Sprague-Dawley;  
 RX MEDLINE=22050031; PubMed=12054613; DOI=10.1016/S0006-291X(02)00239-5;  
 RA Masuda Y., Takatsu Y., Terao Y., Kumano S., Ishiashi Y., Suenaga M.,  
 RA Abe M., Fukusumi S., Watanabe T., Shintani Y., Yamada T., Hinuma S.,  
 RA Inatomi N., Ohtaki T., Onda H., Fujino M.,  
 RT "Isolation and identification of EG-VEGF/prokineticin as cognate  
 ligands for two orphan G-protein-coupled receptors."  
 OC Biochem. Biophys. Res. Commun. 293:396-402(2002).  
 RL  
 RN  
 RP EFFECT ON CIRCADIAN LOCOMOTOR ACTIVITY.  
 RX MEDLINE=22022134; PubMed=12024206; DOI=10.1038/417405a;  
 RA Cheng M.Y., Bullock C.M., Li C., Lee A.G., Bertak J.C., Belluzzi J.,

RA Weaver D.R., Leslie F.M., Zhou Q.-Y.;  
 RT "Prokineticin 2 transmits the behavioural circadian rhythm of the  
 suprachiasmatic nucleus."  
 RT Nature 417:405-410(2002).  
 RL Nature 417:405-410(2002).  
 CC -1- FUNCTION: May function as an output molecule from the  
 suprachiasmatic nucleus (SCN) that transmits behavioral circadian  
 rhythm. May also function locally within the SCN to synchronize  
 output. Potentially contracts gastrointestinal (GI) smooth muscle (by  
 similarity).  
 CC -1- SUBCELLULAR LOCATION: Secreted (by similarity).  
 CC -1- TISSUE SPECIFICITY: Expressed at high levels in testis and at  
 lower levels in brain, lung, ovary, spleen, thymus and uterus.  
 CC -1- INDUCTION: Activated by CLOCK and BMAL1 heterodimers and light;  
 inhibited by period genes (PER1, PER2 and PER3) and cryptochrome  
 genes (CRY1 and CRY2) (Probable).  
 CC -1- SIMILARITY: Belongs to the prokineticin family.  
 CC This Swiss-Prot entry is copyright. It is produced through a collaboration  
 between the Swiss Institute of Bioinformatics and the EMBL outstation -  
 CC the European Bioinformatics Institute. There are no restrictions on its  
 CC use as long as its content is in no way modified and this statement is not  
 CC removed.  
 CC  
 DR EMBL; AY089984; AM09105.1; -; mRNA.  
 DR HSSP; P25687; 1IMT.  
 DR Ensemble; ENSRNOG0000010898; Rattus norvegicus.  
 DR RCD; 620280; Bv8.  
 DR GO; GO:0001664; F-G-protein-coupled receptor binding; IDA.  
 DR InterPro; IPR009523; Prokineticin.  
 DR PANTHER; PTHR18821; Prokineticin; 1.  
 DR Pfam; PF06607; Prokineticin; 1.  
 KM Biological rhythms; Neuropeptide; Signal.  
 FT SIGNAL 1 26  
 FT CHAIN 27 107  
 FT DISULFID 33 45 By similarity 2.  
 FT DISULFID 39 57 By similarity.  
 FT DISULFID 44 85 By similarity.  
 FT DISULFID 67 93 By similarity.  
 FT DISULFID 87 103 By similarity.  
 SQ SEQUENCE 107 AA; 11594 MW; BDF316CDB5FED0 CRC64;  
 Query Match 50.6%; Score 298; DB 1; Length 107;  
 Best Local Similarity 54.0%; Pred. No. 2.4e-23;  
 Matches 47; Conservative 16; Mismatches 24; Indels 0; Gaps 0;  
 QY 10 LLLVTVSDCAVITGACERDVCGAGTCCATSLMLRGLRMCTPLGREGBCHPGSHKVP 69  
 DB 17 LLLTPAGDAAVITGACDSDSCGGGMCACAVSIWKSIRICTPMGQGVDSCHPLTRKVP 76  
 QY 70 FRKRRKHTTCTCLPNILCSRPPDGRVRC 96  
 DB 77 WGRMRHTCTCLPGLACLRISFNRFLC 103  
 RESULT 13  
 OS0E37 9MURI  
 ID OS0E37 9MURI PRELIMINARY; PRT; 107 AA.  
 AC OS0E37;  
 DT 13-SEP-2005 (TrEMBLrel. 31, Created)  
 DT 13-SEP-2005 (TrEMBLrel. 31, Last sequence update)  
 DE Prokineticin 2 variant 18/2/4.  
 GN Name=Prok2;  
 OS Arvicantia nitidius (African grass rat).  
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 OC Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi;  
 OC Muridae; Murinae; Arvicanthis.  
 OX NCBI\_TaxID=61156;  
 RN  
 RP NUCLEOTIDE SEQUENCE.  
 RP Pubmed=15851527; DOI=10.1177/0748730405275135;  
 RA Lambert C.M., Machida K.K., Smale L., Nunez A.A., Weaver D.R.;  
 RT "Analysis of the Prokineticin 2 System in a Diurnal Rodent, the

```

RT Unstripped Nile Grass Rat (Arvicanthus niloticus).";
RL J. Biol. Rhythms 20:206-218 (2005).
DR EMBL: AY820155; AAV73831.1; -; mRNA.
SQ SEQUENCE 107 AA; 11597 MW; CFAE8947354361BB CRC64;

Query March 50.6%; Score 298; DB 2; Length 107;
Best Local Similarity 49.0%; Pred. No. 2.4e-23;
Matches 50; Conservative 19; Mismatches 25; Indels 8; Gaps 1;

QY 3 GATRVISIMLLVTV-----SDCAVITGACERDVCGAGTCCCAISLMLRGLMCTP 54
DB 2 GDRPCARLLLLLLPILPLTPPSGDAVITGACDSDCGGCMCAVSIWVKSIRICTP 61
QY 55 REGECCHPGSHKVPFRKRKHTTCPCPLNLLCSRPDPGRYC 96
DB 62 QVGDSCHPLTRKVPFWRMRHHTCPCPLGLACLRITSFNRFC 103

RESULT 14
O50E38_9MURI
ID Q50E38_9MURI PRELIMINARY; PRT; 107 AA.
AC Q50E38;
DT 13-SEP-2005 (TREMBlrel. 31; Created)
DT 13-SEP-2005 (TREMBlrel. 31; Last sequence update)
DE Prokineticin 2 variant 1A/2/4.
GN Name=Prok2;
OS Arvicanthus niloticus (African grass rat).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi;
OC Muridae; Murinae; Arvicanthis.
OX NCBI_TaxID=61156;
RN [1]
RP NUCLEOTIDE SEQUENCE.
RX PubMed=15851527; DOI=10.1177/0748730405275135;
RA Lambert C.M., Machida K.K., Smale L., Nunez A.A., Weaver D.R.;
RT "Analysis of the Prokineticin 2 System in a Diurnal Rodent, the
RL J. Biol. Rhythms 20:206-218 (2005).
DR EMBL: AY820154; AAV73830.1; -; mRNA.
SQ SEQUENCE 107 AA; 11581 MW; DDBDB472B5C8045 CRC64;

Query March 50.6%; Score 298; DB 2; Length 107;
Best Local Similarity 54.0%; Pred. No. 2.4e-23;
Matches 47; Conservative 16; Mismatches 24; Indels 0; Gaps 0;

QY 10 MLLLVTSDCAVITGACERDVCGAGTCCCAISLMLRGLMCTP 69
DB 17 LLLTPRAGDAVITGACDSDCGGCMCAVSIWVKSIRICTP 76
QY 70 FRKRKHTTCPCPLNLLCSRPDPGRYC 96
DB 77 WGRMRHHTCPCPLGLACLRITSFNRFC 103

RESULT 15
Q863H5_BOVIN
ID Q863H5_BOVIN PRELIMINARY; PRT; 128 AA.
AC Q863H5;
DT 01-JUN-2003 (TREMBlrel. 24; Created)
DT 01-JUN-2003 (TREMBlrel. 24; Last sequence update)
DE Bv8/prokineticin 2-like protein.
OS Bos taurus (Bovine).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Laurasiatheria; Cetartiodactyla; Ruminantia;
OC Pecora; Bovidae; Bovinae; Bos.
OX NCBI_TaxID=9913;
RN [1]
RP NUCLEOTIDE SEQUENCE.
RX TISSUE=Testis;
RX MEDLINE=22612805; PubMed=12728244; DOI=10.1038/sj.embor.embor830;
RA Kaser A., Winklmayr M., Lepperdinger G., Kreil G.;

```

```

RT "The AVIT protein family.";
RL EMBL Rep. 4:469-473 (2003).
DR EMBL: AY192557; AAP1906.1; -; mRNA.
DR HSSP; P25687; 1MT.
DR GO: GO:0005576; C:extracellular region; ISS.
DR GO: GO:0001664; F:G-protein-coupled receptor binding; ISS.
DR GO: GO:0000187; P:activation of MAPK; ISS.
DR GO: GO:0006916; P:angiogenesis; ISS.
DR GO: GO:0006916; P:anti-apoptosis; ISS.
DR GO: GO:0008283; P:cell proliferation; ISS.
DR GO: GO:0006935; P:chemotaxis; ISS.
DR GO: GO:0007186; P:G-protein coupled receptor protein signaln. . .; ISS.
DR GO: GO:0006954; P:inflammatory response; ISS.
DR GO: GO:0019233; P:perception of pain; ISS.
DR GO: GO:0007204; P:positive regulation of cytosolic calcium io. . .; ISS.
DR GO: GO:0045987; P:positive regulation of smooth muscle contra. . .; ISS.
DR GO: GO:0007283; P:spermatogenesis; ISS.
DR InterPro; IPR009523; Prokineticin.
DR PANTHER; PTHR18621; Prokineticin; 1.
DR Pfam; PF06607; Prokineticin; 1.
SQ SEQUENCE 128 AA; 14290 MW; C22CDBDE40483EC CRC64;

Query March 50.6%; Score 298; DB 2; Length 128;
Best Local Similarity 43.5%; Pred. No. 2.9e-23;
Matches 54; Conservative 15; Mismatches 27; Indels 28; Gaps 2;

QY 1 MRGATRVISIMLLV-----TVSDCAVITGACERDVCGAGTCCCAISLMLRGLMCTP 52
DB 1 MRSSRCARLLLLLLPILPLTPRAGDAVITGACDRDPGCGGCMCAVSIWVKSIRICTP 60
QY 53 LGREGECHPGSH-----KVPFRKRKHTTCPCPLNLLCSRPDPG 92
DB 61 MGKVGDSCHPMTNRKHFNGRQERRKRKRKKVPLGRMRHHTCPCPLGLACSRFSFN 120
QY 93 RYRC 96
DB 121 RYTC 124

```

Search completed: March 30, 2006, 17:34:51  
 Job time : 232 secs

THE DOBSON

GenCore version 5.1.7  
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: March 30, 2006, 17:35:08 ; Search time 47 Seconds  
(without alignments)  
184.701 Million cell updates/sec

Title: US-10-692-299-2

Perfect score: 589  
Sequence: 1 MRGATRVSIMLLVTVSDCA.....CSRPPDGRYRCMDLKNINF 105

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database :

Issued Patents AA:\*  
1: /cgm2\_6/ptodata/1/iaa/5\_COMB.pep:\*  
2: /cgm2\_6/ptodata/1/iaa/6\_COMB.pep:\*  
3: /cgm2\_6/ptodata/1/iaa/H\_COMB.pep:\*  
4: /cgm2\_6/ptodata/1/iaa/PCrus\_COMB.pep:\*  
5: /cgm2\_6/ptodata/1/iaa/RS\_COMB.pep:\*  
6: /cgm2\_6/ptodata/1/iaa/backfilest.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	589	100.0	105	US-09-712-529-5	Sequence 5, Appli
2	589	100.0	105	US-10-212-201A-5	Sequence 5, Appli
3	589	100.0	105	US-10-212-355-5	Sequence 5, Appli
4	589	100.0	105	US-09-991-181-371	Sequence 371, App
5	589	100.0	105	US-09-990-444-371	Sequence 371, App
6	589	100.0	105	US-09-997-333-371	Sequence 371, App
7	589	100.0	105	US-09-992-598-371	Sequence 371, App
8	577	98.0	105	US-09-621-976-5350	Sequence 5350, Ap
9	448	76.1	80	US-09-513-999C-4698	Sequence 4698, Ap
10	303	51.4	108	US-09-712-529-2	Sequence 2, Appli
11	303	51.4	108	US-10-212-201A-2	Sequence 2, Appli
12	303	51.4	108	US-10-212-355-2	Sequence 2, Appli
13	107.5	18.3	224	US-09-161-241-14	Sequence 14, Appli
14	102	17.3	186	US-09-949-016-7146	Sequence 7146, Ap
15	102	17.3	207	US-09-161-241-13	Sequence 13, Appli
16	102	17.3	259	US-09-161-241-12	Sequence 12, Appli
17	102	17.3	259	US-09-949-016-6872	Sequence 6872, Ap
18	102	17.3	259	US-10-012-231A-70	Sequence 70, Appli
19	102	17.3	259	US-10-015-389A-70	Sequence 70, Appli
20	102	17.3	259	US-10-006-768A-70	Sequence 70, Appli
21	102	17.3	259	US-10-015-671A-70	Sequence 70, Appli
22	102	17.3	259	US-10-015-393A-70	Sequence 70, Appli
23	102	17.3	259	US-10-011-833A-70	Sequence 70, Appli
24	102	17.3	259	US-10-006-041A-70	Sequence 70, Appli
25	102	17.3	259	US-10-012-064A-70	Sequence 70, Appli
26	101	17.1	259	US-09-161-241-11	Sequence 11, Appli
27	100.5	17.1	215	US-10-104-047-2196	Sequence 2196, Ap

28	100.5	17.1	350	2	US-09-161-241-9	Sequence 9, Appli
29	100.5	17.1	350	2	US-09-907-794A-236	Sequence 236, App
30	100.5	17.1	350	2	US-09-905-125A-236	Sequence 236, App
31	100.5	17.1	350	2	US-09-902-775A-236	Sequence 236, App
32	100.5	17.1	350	2	US-09-906-700-236	Sequence 236, App
33	100.5	17.1	350	2	US-09-903-603A-236	Sequence 236, App
34	100.5	17.1	350	2	US-09-904-920A-236	Sequence 236, App
35	100.5	17.1	350	2	US-09-909-064-236	Sequence 236, App
36	100.5	17.1	350	2	US-09-905-381A-236	Sequence 236, App
37	100.5	17.1	350	2	US-09-906-618-236	Sequence 236, App
38	100.5	17.1	350	2	US-09-906-646-236	Sequence 236, App
39	100.5	17.1	350	2	US-09-904-462-236	Sequence 236, App
40	100.5	17.1	350	2	US-09-902-736A-236	Sequence 236, App
41	100.5	17.1	350	2	US-09-906-722A-236	Sequence 236, App
42	100.5	17.1	375	2	US-09-949-016-7856	Sequence 7856, App
43	100.5	17.1	375	2	US-09-949-016-7857	Sequence 7857, App
44	100.5	17.1	375	2	US-09-949-016-7858	Sequence 7858, App
45	98.5	16.7	349	2	US-09-161-241-8	Sequence 8, Appli

## ALIGNMENTS

```

RESULT 1
US-09-712-529-5
Sequence 5, Application US/09712529
Patent No. 6485938
GENERAL INFORMATION:
APPLICANT: Sheppard, Paul O.
APPLICANT: Whitmore, Theodore E.
APPLICANT: Thompson, Penny P.
TITLE OF INVENTION: Human Zven Proteins
FILE REFERENCE: 99-81
CURRENT APPLICATION NUMBER: US/09/712,529
CURRENT FILING DATE: 2000-11-14
NUMBER OF SEQ ID NOS: 7
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 5
LENGTH: 105
TYPE: PRT
ORGANISM: Homo sapiens
US-09-712-529-5

Query Match      100.0%; Score 589; DB 2; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-58;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCAISLWIRGLRMCTPLGRBGBEC 60
      |||
Db      1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCAISLWIRGLRMCTPLGRBGBEC 60

Qy      61 HPGSHKVPFRKRGKHTCPCLPNLCSRPPDGRYRCMDLKNINF 105
      |||
Db      61 HPGSHKVPFRKRGKHTCPCLPNLCSRPPDGRYRCMDLKNINF 105

RESULT 2
US-10-212-201A-5
Sequence 5, Application US/10212201A
Patent No. 6756479
GENERAL INFORMATION:
APPLICANT: Sheppard, Paul O.
APPLICANT: Whitmore, Theodore E.
APPLICANT: Thompson, Penny P.
TITLE OF INVENTION: Human Zven Proteins
FILE REFERENCE: 99-81
CURRENT APPLICATION NUMBER: US/10/212,201A
CURRENT FILING DATE: 2002-08-02
PRIOR APPLICATION NUMBER: US/09/712,529
PRIOR FILING DATE: 2000-11-14
NUMBER OF SEQ ID NOS: 7

```

```

; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 5
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-212-201A-5

Query Match          100.0%; Score 589; DB 2; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-58;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 MRGATRSIMLLTVSDCAVITGACERDVQCGAGTCCALSIMLRGLRMCTPLGRGEESEC 60
Db      1 MRGATRSIMLLTVSDCAVITGACERDVQCGAGTCCALSIMLRGLRMCTPLGRGEESEC 60

Qy      61 HPGSHKVPFPRKRKHHTCCPLNLLCSRFPDGRYRCMDLKNINF 105
Db      61 HPGSHKVPFPRKRKHHTCCPLNLLCSRFPDGRYRCMDLKNINF 105

RESULT 3
US-10-212-355-5
; Sequence 5, Application US/10212355
; Patent No. 6828425
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Bishop, Paul D.
; APPLICANT: Whitmore, Theodore E.
; APPLICANT: Thompson, Penny P.
; TITLE OF INVENTION: Human Zven Proteins
; FILE REFERENCE: 99-81
; CURRENT APPLICATION NUMBER: US/10/212.355
; CURRENT FILING DATE: 2002-08-02
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 5
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-212-355-5

Query Match          100.0%; Score 589; DB 2; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.2e-58;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 MRGATRSIMLLTVSDCAVITGACERDVQCGAGTCCALSIMLRGLRMCTPLGRGEESEC 60
Db      1 MRGATRSIMLLTVSDCAVITGACERDVQCGAGTCCALSIMLRGLRMCTPLGRGEESEC 60

Qy      61 HPGSHKVPFPRKRKHHTCCPLNLLCSRFPDGRYRCMDLKNINF 105
Db      61 HPGSHKVPFPRKRKHHTCCPLNLLCSRFPDGRYRCMDLKNINF 105

RESULT 4
US-09-391-181-371
; Sequence 371, Application US/09991181
; Patent No. 6913919
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Deenoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kijavain, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tuma, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PICS3
; CURRENT APPLICATION NUMBER: US/09/991.181
; CURRENT FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087607
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087609
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
; PRIOR FILING DATE: 1998-06-03
; PRIOR APPLICATION NUMBER: 60/088021
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088025
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088026
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088028
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088029
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088030
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088033
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088326
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088167
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088202
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088212
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088217
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088655
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: 60/088734
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088738
; PRIOR FILING DATE: 1998-06-10
```

PRIOR APPLICATION NUMBER: 60/088742  
 PRIOR FILING DATE: 1998-06-10  
 PRIOR APPLICATION NUMBER: 60/088810  
 PRIOR FILING DATE: 1998-06-10  
 PRIOR APPLICATION NUMBER: 60/088824  
 PRIOR FILING DATE: 1998-06-10  
 PRIOR APPLICATION NUMBER: 60/088826  
 PRIOR FILING DATE: 1998-06-10  
 PRIOR APPLICATION NUMBER: 60/088858  
 PRIOR FILING DATE: 1998-06-11  
 PRIOR APPLICATION NUMBER: 60/088861  
 PRIOR FILING DATE: 1998-06-11  
 PRIOR APPLICATION NUMBER: 60/088876  
 PRIOR FILING DATE: 1998-06-11  
 PRIOR APPLICATION NUMBER: 60/089105  
 PRIOR FILING DATE: 1998-06-12  
 PRIOR APPLICATION NUMBER: 60/089440  
 PRIOR FILING DATE: 1998-06-16  
 PRIOR APPLICATION NUMBER: 60/089512  
 PRIOR FILING DATE: 1998-06-16  
 PRIOR APPLICATION NUMBER: 60/089514  
 PRIOR FILING DATE: 1998-06-16  
 PRIOR APPLICATION NUMBER: 60/089532  
 PRIOR FILING DATE: 1998-06-17  
 PRIOR APPLICATION NUMBER: 60/089538  
 PRIOR FILING DATE: 1998-06-17  
 PRIOR APPLICATION NUMBER: 60/089598  
 PRIOR FILING DATE: 1998-06-17  
 PRIOR APPLICATION NUMBER: 60/089599  
 PRIOR FILING DATE: 1998-06-17  
 PRIOR APPLICATION NUMBER: 60/089600  
 PRIOR FILING DATE: 1998-06-17  
 PRIOR APPLICATION NUMBER: 60/089653  
 PRIOR FILING DATE: 1998-06-17  
 PRIOR APPLICATION NUMBER: 60/089801  
 PRIOR FILING DATE: 1998-06-18  
 PRIOR APPLICATION NUMBER: 60/089907  
 PRIOR FILING DATE: 1998-06-18  
 PRIOR APPLICATION NUMBER: 60/089908  
 PRIOR FILING DATE: 1998-06-18  
 PRIOR APPLICATION NUMBER: 60/089947  
 PRIOR FILING DATE: 1998-06-19  
 PRIOR APPLICATION NUMBER: 60/089948  
 PRIOR FILING DATE: 1998-06-19  
 PRIOR APPLICATION NUMBER: 60/089952  
 PRIOR FILING DATE: 1998-06-19  
 PRIOR APPLICATION NUMBER: 60/090246  
 PRIOR FILING DATE: 1998-06-22  
 PRIOR APPLICATION NUMBER: 60/090252  
 PRIOR FILING DATE: 1998-06-22  
 PRIOR APPLICATION NUMBER: 60/090254  
 PRIOR FILING DATE: 1998-06-22  
 PRIOR APPLICATION NUMBER: 60/090349  
 PRIOR FILING DATE: 1998-06-23  
 PRIOR APPLICATION NUMBER: 60/090355  
 PRIOR FILING DATE: 1998-06-23  
 PRIOR APPLICATION NUMBER: 60/090429  
 PRIOR FILING DATE: 1998-06-24  
 PRIOR APPLICATION NUMBER: 60/090431  
 PRIOR FILING DATE: 1998-06-24  
 PRIOR APPLICATION NUMBER: 60/090435  
 PRIOR FILING DATE: 1998-06-24  
 PRIOR APPLICATION NUMBER: 60/090444  
 PRIOR FILING DATE: 1998-06-24  
 PRIOR APPLICATION NUMBER: 60/090445  
 PRIOR FILING DATE: 1998-06-24  
 PRIOR APPLICATION NUMBER: 60/090472  
 PRIOR FILING DATE: 1998-06-24  
 PRIOR APPLICATION NUMBER: 60/090535  
 PRIOR FILING DATE: 1998-06-24  
 PRIOR APPLICATION NUMBER: 60/090540  
 PRIOR FILING DATE: 1998-06-24  
 PRIOR APPLICATION NUMBER: 60/090542

PRIOR FILING DATE: 1998-06-24  
 PRIOR APPLICATION NUMBER: 60/090557  
 PRIOR FILING DATE: 1998-06-24  
 PRIOR APPLICATION NUMBER: 60/090676  
 PRIOR FILING DATE: 1998-06-25  
 PRIOR APPLICATION NUMBER: 60/090678  
 PRIOR FILING DATE: 1998-06-25  
 PRIOR APPLICATION NUMBER: 60/090690  
 PRIOR FILING DATE: 1998-06-25  
 PRIOR APPLICATION NUMBER: 60/090694  
 PRIOR FILING DATE: 1998-06-25  
 PRIOR APPLICATION NUMBER: 60/090695  
 PRIOR FILING DATE: 1998-06-25  
 PRIOR APPLICATION NUMBER: 60/090696  
 PRIOR FILING DATE: 1998-06-25  
 PRIOR APPLICATION NUMBER: 60/090862  
 PRIOR FILING DATE: 1998-06-26  
 PRIOR APPLICATION NUMBER: 60/090863  
 PRIOR FILING DATE: 1998-06-26  
 PRIOR APPLICATION NUMBER: 60/091360  
 PRIOR FILING DATE: 1998-07-01  
 PRIOR APPLICATION NUMBER: 60/091478  
 PRIOR FILING DATE: 1998-07-02  
 PRIOR APPLICATION NUMBER: 60/091544  
 PRIOR FILING DATE: 1998-07-01  
 PRIOR APPLICATION NUMBER: 60/091519  
 PRIOR FILING DATE: 1998-07-02  
 PRIOR APPLICATION NUMBER: 60/091626  
 PRIOR FILING DATE: 1998-07-02  
 PRIOR APPLICATION NUMBER: 60/091633  
 PRIOR FILING DATE: 1998-07-02  
 PRIOR APPLICATION NUMBER: 60/091978  
 PRIOR FILING DATE: 1998-07-07  
 PRIOR APPLICATION NUMBER: 60/091982  
 PRIOR FILING DATE: 1998-07-07  
 PRIOR APPLICATION NUMBER: 60/092182  
 PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 2; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 1,2e-58;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MEGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCAIISLWIRGIRMCTPIGRBEEBC 60  
 Db 1 MEGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCAIISLWIRGIRMCTPIGRBEEBC 60  
 Qy 61 HPGSHKVPFPRKXKHHCTPCLPNLCSRPPDGRYRCMDLKNINF 105  
 Db 61 HPGSHKVPFPRKXKHHCTPCLPNLCSRPPDGRYRCMDLKNINF 105

RESULT 5  
 US-09-990-444-371  
 Sequence 371, Application US/09990444  
 Patent No. 6930170  
 GENERAL INFORMATION:  
 APPLICANT: Ashkenazi, Avi J.  
 APPLICANT: Baker, Kevin P.  
 APPLICANT: Botstein, David  
 APPLICANT: Deenoyers, Luc  
 APPLICANT: Batou, Dan L.  
 APPLICANT: Ferrara, Napoleone  
 APPLICANT: Fong, Sherman  
 APPLICANT: Gerber, Hanspeter  
 APPLICANT: Gerlitsen, Mary E.  
 APPLICANT: Goddard, Audrey  
 APPLICANT: Godowski, Paul J.  
 APPLICANT: Grimaldi, J. Christopher  
 APPLICANT: Gurney, Austin L.  
 APPLICANT: Kijavini, Ivar J.  
 APPLICANT: Napier, Mary A.  
 APPLICANT: Pan, James  
 APPLICANT: Paoni, Nicholas F.

APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2730F1C19  
CURRENT APPLICATION NUMBER: US/09/990,444  
CURRENT FILING DATE: 2001-11-14  
PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-06-16  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/065186  
PRIOR FILING DATE: 1997-11-12  
PRIOR APPLICATION NUMBER: 60/065311  
PRIOR FILING DATE: 1997-11-13  
PRIOR APPLICATION NUMBER: 60/066770  
PRIOR FILING DATE: 1997-11-24  
PRIOR APPLICATION NUMBER: 60/075945  
PRIOR FILING DATE: 1998-02-25  
PRIOR APPLICATION NUMBER: 60/078910  
PRIOR FILING DATE: 1998-03-20  
PRIOR APPLICATION NUMBER: 60/083322  
PRIOR FILING DATE: 1998-04-28  
PRIOR APPLICATION NUMBER: 60/084600  
PRIOR FILING DATE: 1998-05-07  
PRIOR APPLICATION NUMBER: 60/087106  
PRIOR FILING DATE: 1998-05-28  
PRIOR APPLICATION NUMBER: 60/087607  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087609  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087759  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087827  
PRIOR FILING DATE: 1998-06-03  
PRIOR APPLICATION NUMBER: 60/088021  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088025  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088026  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088028  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088029  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088030  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088033  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088326  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088167  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088202  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088212  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088217  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088655  
PRIOR FILING DATE: 1998-06-09  
PRIOR APPLICATION NUMBER: 60/088734  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088738  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088742  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088810  
  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088824  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088826  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088858  
PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/088861  
PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/088876  
PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/089105  
PRIOR FILING DATE: 1998-06-12  
PRIOR APPLICATION NUMBER: 60/089440  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089512  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089514  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089532  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089538  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089598  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089599  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089600  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089653  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089801  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089907  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089908  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089947  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/089948  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/089952  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/090246  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090252  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090254  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090349  
PRIOR FILING DATE: 1998-06-23  
PRIOR APPLICATION NUMBER: 60/090355  
PRIOR FILING DATE: 1998-06-23  
PRIOR APPLICATION NUMBER: 60/090429  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090431  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090435  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090444  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090445  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090472  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090535  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090540  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090542  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090557  
PRIOR FILING DATE: 1998-06-24

PRIOR APPLICATION NUMBER: 60/090676  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090678  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090690  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090694  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090695  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090696  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090862  
PRIOR FILING DATE: 1998-06-26  
PRIOR APPLICATION NUMBER: 60/090863  
PRIOR FILING DATE: 1998-06-26  
PRIOR APPLICATION NUMBER: 60/091360  
PRIOR FILING DATE: 1998-07-01  
PRIOR APPLICATION NUMBER: 60/091478  
PRIOR FILING DATE: 1998-07-02  
PRIOR APPLICATION NUMBER: 60/091544  
PRIOR FILING DATE: 1998-07-01  
PRIOR APPLICATION NUMBER: 60/091519  
PRIOR FILING DATE: 1998-07-02  
PRIOR APPLICATION NUMBER: 60/091626  
PRIOR FILING DATE: 1998-07-02  
PRIOR APPLICATION NUMBER: 60/091633  
PRIOR FILING DATE: 1998-07-02  
PRIOR APPLICATION NUMBER: 60/091978  
PRIOR FILING DATE: 1998-07-07  
PRIOR APPLICATION NUMBER: 60/091982  
PRIOR FILING DATE: 1998-07-07  
PRIOR APPLICATION NUMBER: 60/092182  
PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 2; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.2e-58;

Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MGRATRVSMILLVTSQCAVITGACERDVCGAGTCCASISLMLGMLMCTPLGREGSEC 60  
Db 1 MGRATRVSMILLVTSQCAVITGACERDVCGAGTCCASISLMLGMLMCTPLGREGSEC 60

Qy 61 HPGSHKVPFRRKXKHTCPCLPNLLCSRPDPGRYXCMDLKNINF 105  
Db 61 HPGSHKVPFRRKXKHTCPCLPNLLCSRPDPGRYXCMDLKNINF 105

RESULT 6  
US-09-997-333-371  
Sequence 371, Application US/09997333

Patent No. 6953836

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Deemoyers, Luc  
APPLICANT: Batton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gottlieb, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Kljavin, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel

APPLICANT: Maranabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secured and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2730PIC27  
CURRENT APPLICATION NUMBER: US/09/997,333  
PRIOR APPLICATION NUMBER: 2001-11-15  
PRIOR FILING DATE: 1997-06-16  
PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-06-16  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/065186  
PRIOR FILING DATE: 1997-11-12  
PRIOR APPLICATION NUMBER: 60/065311  
PRIOR FILING DATE: 1997-11-13  
PRIOR APPLICATION NUMBER: 60/066770  
PRIOR FILING DATE: 1997-11-24  
PRIOR APPLICATION NUMBER: 60/075945  
PRIOR FILING DATE: 1998-02-25  
PRIOR APPLICATION NUMBER: 60/078910  
PRIOR FILING DATE: 1998-03-20  
PRIOR APPLICATION NUMBER: 60/083322  
PRIOR FILING DATE: 1998-04-28  
PRIOR APPLICATION NUMBER: 60/084600  
PRIOR FILING DATE: 1998-05-07  
PRIOR APPLICATION NUMBER: 60/087106  
PRIOR FILING DATE: 1998-05-28  
PRIOR APPLICATION NUMBER: 60/087607  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087609  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087759  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087827  
PRIOR FILING DATE: 1998-06-03  
PRIOR APPLICATION NUMBER: 60/088021  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088025  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088026  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088028  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088029  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088030  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088033  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088326  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088167  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088202  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088212  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088217  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088655  
PRIOR FILING DATE: 1998-06-09  
PRIOR APPLICATION NUMBER: 60/088734  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088738  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088742  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088810  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088824  
PRIOR FILING DATE: 1998-06-10

;; PRIOR APPLICATION NUMBER: 60/088826  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088858  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/088861  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/088876  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/089105  
;; PRIOR FILING DATE: 1998-06-12  
;; PRIOR APPLICATION NUMBER: 60/089440  
;; PRIOR FILING DATE: 1998-06-16  
;; PRIOR APPLICATION NUMBER: 60/089512  
;; PRIOR FILING DATE: 1998-06-16  
;; PRIOR APPLICATION NUMBER: 60/089514  
;; PRIOR FILING DATE: 1998-06-16  
;; PRIOR APPLICATION NUMBER: 60/089532  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089538  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089598  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089599  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089600  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089653  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089801  
;; PRIOR FILING DATE: 1998-06-18  
;; PRIOR APPLICATION NUMBER: 60/089907  
;; PRIOR FILING DATE: 1998-06-18  
;; PRIOR APPLICATION NUMBER: 60/089908  
;; PRIOR FILING DATE: 1998-06-18  
;; PRIOR APPLICATION NUMBER: 60/089947  
;; PRIOR FILING DATE: 1998-06-19  
;; PRIOR APPLICATION NUMBER: 60/089948  
;; PRIOR FILING DATE: 1998-06-19  
;; PRIOR APPLICATION NUMBER: 60/089952  
;; PRIOR FILING DATE: 1998-06-19  
;; PRIOR APPLICATION NUMBER: 60/090246  
;; PRIOR FILING DATE: 1998-06-22  
;; PRIOR APPLICATION NUMBER: 60/090252  
;; PRIOR FILING DATE: 1998-06-22  
;; PRIOR APPLICATION NUMBER: 60/090254  
;; PRIOR FILING DATE: 1998-06-22  
;; PRIOR APPLICATION NUMBER: 60/090349  
;; PRIOR FILING DATE: 1998-06-23  
;; PRIOR APPLICATION NUMBER: 60/090355  
;; PRIOR FILING DATE: 1998-06-23  
;; PRIOR APPLICATION NUMBER: 60/090429  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090431  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090435  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090444  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090445  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090542  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090557  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090676  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090678

;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090690  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090694  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090695  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090696  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090862  
;; PRIOR FILING DATE: 1998-06-26  
;; PRIOR APPLICATION NUMBER: 60/090863  
;; PRIOR FILING DATE: 1998-06-26  
;; PRIOR APPLICATION NUMBER: 60/091360  
;; PRIOR FILING DATE: 1998-07-01  
;; PRIOR APPLICATION NUMBER: 60/091478  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091544  
;; PRIOR FILING DATE: 1998-07-01  
;; PRIOR APPLICATION NUMBER: 60/091519  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091626  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091633  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091978  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/091982  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 2; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1,2e-58;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MEGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCASIMLRGLRMCTPLRGREGERC 60  
Db 1 MEGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCASIMLRGLRMCTPLRGREGERC 60  
Qy 61 HPGSHKVPFPRKXKHTCPCPLNLLCSRPDPGRYRCMDLKINF 105  
Db 61 HPGSHKVPFPRKXKHTCPCPLNLLCSRPDPGRYRCMDLKINF 105

RESULT 7  
US-09-992-598-371  
; Sequence 371, Application US/09992598  
; Patent No. 6956108  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Geriltsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Raoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tuma, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.

APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2730PIC20  
CURRENT FILING DATE: 2001-11-14  
PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-06-16  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/065186  
PRIOR FILING DATE: 1997-11-12  
PRIOR APPLICATION NUMBER: 60/065311  
PRIOR FILING DATE: 1997-11-13  
PRIOR APPLICATION NUMBER: 60/066770  
PRIOR FILING DATE: 1997-11-24  
PRIOR APPLICATION NUMBER: 60/075945  
PRIOR FILING DATE: 1998-02-25  
PRIOR APPLICATION NUMBER: 60/078910  
PRIOR FILING DATE: 1998-03-20  
PRIOR APPLICATION NUMBER: 60/083322  
PRIOR FILING DATE: 1998-04-28  
PRIOR APPLICATION NUMBER: 60/084600  
PRIOR FILING DATE: 1998-05-07  
PRIOR APPLICATION NUMBER: 60/087106  
PRIOR FILING DATE: 1998-05-28  
PRIOR APPLICATION NUMBER: 60/087607  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087609  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087759  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087827  
PRIOR FILING DATE: 1998-06-03  
PRIOR APPLICATION NUMBER: 60/088021  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088025  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088026  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088028  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088029  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088030  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088033  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088326  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088167  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088202  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088212  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088217  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088655  
PRIOR FILING DATE: 1998-06-09  
PRIOR APPLICATION NUMBER: 60/088734  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088738  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088742  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088810  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088824  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088826  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088858

PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/088861  
PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/088876  
PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/089105  
PRIOR FILING DATE: 1998-06-12  
PRIOR APPLICATION NUMBER: 60/089440  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089512  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089514  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089532  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089538  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089598  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089599  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089600  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089653  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089801  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089907  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089908  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089947  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/089948  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/089952  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/090246  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090252  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090254  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090349  
PRIOR FILING DATE: 1998-06-23  
PRIOR APPLICATION NUMBER: 60/090355  
PRIOR FILING DATE: 1998-06-23  
PRIOR APPLICATION NUMBER: 60/090429  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090431  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090435  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090444  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090445  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090472  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090535  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090540  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090542  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090557  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090676  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090678  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090690  
PRIOR FILING DATE: 1998-06-25

PRIOR APPLICATION NUMBER: 60/090694  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090695  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090696  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090682  
PRIOR FILING DATE: 1998-06-26  
PRIOR APPLICATION NUMBER: 60/090863  
PRIOR FILING DATE: 1998-06-26  
PRIOR APPLICATION NUMBER: 60/091360  
PRIOR FILING DATE: 1998-07-01  
PRIOR APPLICATION NUMBER: 60/091478  
PRIOR FILING DATE: 1998-07-02  
PRIOR APPLICATION NUMBER: 60/091544  
PRIOR FILING DATE: 1998-07-01  
PRIOR APPLICATION NUMBER: 60/091519  
PRIOR FILING DATE: 1998-07-02  
PRIOR APPLICATION NUMBER: 60/091626  
PRIOR FILING DATE: 1998-07-02  
PRIOR APPLICATION NUMBER: 60/091633  
PRIOR FILING DATE: 1998-07-02  
PRIOR APPLICATION NUMBER: 60/091978  
PRIOR FILING DATE: 1998-07-07  
PRIOR APPLICATION NUMBER: 60/091982  
PRIOR FILING DATE: 1998-07-07  
PRIOR APPLICATION NUMBER: 60/092182  
PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 2; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1,2e-58;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCAISLWRLGRLMCTPLGRGESEC 60  
Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCAISLWRLGRLMCTPLGRGESEC 60  
61 HPGSHKVPFFRRKRKHTCPCPLNLLCSRFDPGRYRCMDKKNIF 105  
Db 61 HPGSHKVPFFRRKRKHTCPCPLNLLCSRFDPGRYRCMDKKNIF 105

RESULT 8  
US-09-621-976-5350  
Sequence 5350, Application US/09621976  
Patent No. 6639063  
GENERAL INFORMATION:  
APPLICANT: Dumas Milne Edwards, J. B.  
APPLICANT: Jobert, S.  
APPLICANT: Giordano, J. Y.  
TITLE OF INVENTION: ESTs and Encoded Human Proteins.  
FILE REFERENCE: GENSET.054PR2  
CURRENT APPLICATION NUMBER: US/09/621,976  
CURRENT FILING DATE: 2000-07-21  
NUMBER OF SEQ ID NOS: 19335  
SOFTWARE: Patent.pm  
SEQ ID NO 5350  
LENGTH: 105  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: SIGNAL  
LOCATION: -19...-1  
NAME/KEY: UNSURE  
LOCATION: 38  
OTHER INFORMATION: Xaa = Ala, Gly  
US-09-621-976-5350

Query Match 98.0%; Score 577; DB 2; Length 105;  
Best Local Similarity 97.1%; Pred. No. 2,7e-57;  
Matches 102; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCAISLWRLGRLMCTPLGRGESEC 60

|||||  
Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCAISLWRLGRLMCTPLGRGESEC 60  
Qy 61 HPGSHKVPFFRRKRKHTCPCPLNLLCSRFDPGRYRCMDKKNIF 105  
Db 61 HPGSHKVPFFRRKRKHTCPCPLNLLCSRFDPGRYRCMDKKNIF 105

RESULT 9  
US-09-513-999C-4698  
Sequence 4698, Application US/09513999C  
Patent No. 6783961  
GENERAL INFORMATION:  
APPLICANT: Dumas Milne Edwards, J. B.  
APPLICANT: Duclert, A. Y.  
APPLICANT: Giordano, J. Y.  
TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.  
Patent No. 6783961  
FILE REFERENCE: 59.US2.REG  
CURRENT APPLICATION NUMBER: US/09/513,999C  
CURRENT FILING DATE: 2000-02-24  
PRIOR APPLICATION NUMBER: US 60/122,487  
PRIOR FILING DATE: 1999-02-26  
NUMBER OF SEQ ID NOS: 36681  
SOFTWARE: Patent.pm  
SEQ ID NO 4698  
LENGTH: 80  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: SIGNAL  
LOCATION: -19...-1  
OTHER INFORMATION: seq VSIMLLVTVSDC/AV  
US-09-513-999C-4698

Query Match 76.1%; Score 448; DB 2; Length 80;  
Best Local Similarity 98.8%; Pred. No. 5.8e-43;  
Matches 79; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCAISLWRLGRLMCTPLGRGESEC 60  
Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCAISLWRLGRLMCTPLGRGESEC 60  
61 HPGSHKVPFFRRKRKHTCPC 80  
Db 61 HPGSHKVPFFRRKRKHTCPC 80

RESULT 10  
US-09-712-529-2  
Sequence 2, Application US/09712529  
Patent No. 6485938  
GENERAL INFORMATION:  
APPLICANT: Shepard, Paul O.  
APPLICANT: Bishop, Paul D.  
APPLICANT: Whitmore, Theodore E.  
APPLICANT: Thompson, Penny P.  
TITLE OF INVENTION: Human Zven Proteins  
FILE REFERENCE: 99-81  
CURRENT APPLICATION NUMBER: US/09/712,529  
CURRENT FILING DATE: 2000-11-14  
NUMBER OF SEQ ID NOS: 7  
SOFTWARE: FaalSeq for Windows Version 3.0  
SEQ ID NO 2  
LENGTH: 108  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-712-529-2

Query Match 51.4%; Score 303; DB 2; Length 108;  
Best Local Similarity 55.2%; Pred. No. 1,5e-26;  
Matches 48; Conservative 15; Mismatches 24; Indels 0; Gaps 0;

Qy 10 MLTLTVSDCAVITGACERDVQCGAGTCCALSLMLRGLRMCTPLGRBEGECHPGSHKVPF 69  
Db 18 LLTPRAGDAAVITGACDKDSQCGGMCACAVSIWKSIRICTPMGKLGDSCHPLTRKVPF 77  
Qy 70 FRKRKHTCPCLPMLCSRPDPGRYRC 96  
Db 78 FGRMRHTCPCLPGLACLRITSFNRPIC 104

RESULT 11  
US-10-212-201A-2  
; Sequence 2, Application US/10212201A  
; Patent No. 6756479  
; GENERAL INFORMATION:  
; APPLICANT: Sheppard, Paul O.  
; APPLICANT: Bishop, Paul D.  
; APPLICANT: Whitmore, Theodore E.  
; APPLICANT: Thompson, Penny P.  
; TITLE OF INVENTION: Human Zven Proteins  
; FILE REFERENCE: 99-81  
; CURRENT APPLICATION NUMBER: US/10/212,201A  
; CURRENT FILING DATE: 2002-08-02  
; PRIOR APPLICATION NUMBER: US/09/712,529  
; PRIOR FILING DATE: 2000-11-14  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 2  
; LENGTH: 108  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-212-201A-2

Query Match 51.4%; Score 303; DB 2; Length 108;  
Best Local Similarity 55.2%; Pred. No. 1,5e-26;  
Matches 48; Conservative 15; Mismatches 24; Indels 0; Gaps 0;

Qy 10 MLTLTVSDCAVITGACERDVQCGAGTCCALSLMLRGLRMCTPLGRBEGECHPGSHKVPF 69  
Db 18 LLTPRAGDAAVITGACDKDSQCGGMCACAVSIWKSIRICTPMGKLGDSCHPLTRKVPF 77

Qy 70 FRKRKHTCPCLPMLCSRPDPGRYRC 96  
Db 78 FGRMRHTCPCLPGLACLRITSFNRPIC 104

RESULT 12  
US-10-212-355-2  
; Sequence 2, Application US/10212355  
; Patent No. 6828425  
; GENERAL INFORMATION:  
; APPLICANT: Sheppard, Paul O.  
; APPLICANT: Bishop, Paul D.  
; APPLICANT: Whitmore, Theodore E.  
; APPLICANT: Thompson, Penny P.  
; TITLE OF INVENTION: Human Zven Proteins  
; FILE REFERENCE: 99-81  
; CURRENT APPLICATION NUMBER: US/10/212,355  
; CURRENT FILING DATE: 2002-08-02  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 2  
; LENGTH: 108  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-212-355-2

Query Match 51.4%; Score 303; DB 2; Length 108;  
Best Local Similarity 55.2%; Pred. No. 1,5e-26;  
Matches 48; Conservative 15; Mismatches 24; Indels 0; Gaps 0;

Qy 10 MLTLTVSDCAVITGACERDVQCGAGTCCALSLMLRGLRMCTPLGRBEGECHPGSHKVPF 69  
Db 18 LLTPRAGDAAVITGACDKDSQCGGMCACAVSIWKSIRICTPMGKLGDSCHPLTRKVPF 77

Db 18 LLTPRAGDAAVITGACDKDSQCGGMCACAVSIWKSIRICTPMGKLGDSCHPLTRKVPF 77  
Qy 70 FRKRKHTCPCLPMLCSRPDPGRYRC 96  
Db 78 FGRMRHTCPCLPGLACLRITSFNRPIC 104

RESULT 13  
US-09-161-241-14  
; Sequence 14, Application US/09161241  
; Patent No. 6344541  
; GENERAL INFORMATION:  
; APPLICANT: Bass, Michael B  
; APPLICANT: Sullivan, John K  
; APPLICANT: Theill, Lars B  
; APPLICANT: Wang, Daqiang  
; TITLE OF INVENTION: NOVEL DKR POLYPEPTIDES  
; FILE REFERENCE: A-548  
; CURRENT APPLICATION NUMBER: US/09/161,241  
; CURRENT FILING DATE: 1998-09-25  
; NUMBER OF SEQ ID NOS: 78  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 14  
; LENGTH: 224  
; TYPE: PRT  
; ORGANISM: Human  
US-09-161-241-14

Query Match 18.3%; Score 107.5; DB 2; Length 224;  
Best Local Similarity 35.5%; Pred. No. 0.00028;  
Matches 22; Conservative 5; Mismatches 32; Indels 3; Gaps 1;

Qy 25 ACERDVQCGAGTCCALSLMLRGLRMCTPLGRBEGECHPGSHKVPFRRKRKHTCPCLPML 84  
Db 144 SCLATPQGGPGLCCARHFW---TKICKPVLLBQVCSRGHKKDTAQAPEIRPQDCGPG 200

Qy 85 LC 86  
Db 201 LC 202

RESULT 14  
US-09-949-016-7146  
; Sequence 7146, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: 60/241,755  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR APPLICATION NUMBER: 60/237,768  
; PRIOR FILING DATE: 2000-10-03  
; PRIOR APPLICATION NUMBER: 60/231,498  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 7146  
; LENGTH: 186  
; TYPE: PRT  
; ORGANISM: Human  
US-09-949-016-7146

Query Match 17.3%; Score 102; DB 2; Length 186;  
Best Local Similarity 31.5%; Pred. No. 0.00095;  
Matches 23; Conservative 8; Mismatches 30; Indels 12; Gaps 3;

Qy 26 CERDVQCGAGTCCALSLMLRGLRMCTPLGRBEGECH---HPGSHKVPFRRKRKHTCPCL 81  
Db 110 CLRSSDCLBGCARHFW---TKICKPVLLBQVCSRGHKKDTAQAPEIRPQDCGPG 161

QY 82 PNLCSRFPDGRY 94  
Db 162 KGLSCKVWKDATY 174

RESULT 15  
US-09-161-241-13  
; Sequence 13; Application US/09161241  
; Patent No. 6344541  
; GENERAL INFORMATION:  
; APPLICANT: Baes, Michael B  
; APPLICANT: Sullivan, John K  
; APPLICANT: Theill, Lars E  
; APPLICANT: Wang, Daguang  
; TITLE OF INVENTION: NOVEL DKR POLYPEPTIDES  
; FILE REFERENCE: A-548  
; CURRENT APPLICATION NUMBER: US/09/161,241  
; CURRENT FILING DATE: 1998-09-25  
; NUMBER OF SEQ ID NOS: 78  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 13  
; LENGTH: 207  
; TYPE: PRT  
; ORGANISM: Human  
US-09-161-241-13

Query Match 17.3%; Score 102; DB 2; Length 207;  
Best Local Similarity 31.5%; Pred. No. 0.0011;  
Matches 23; Conservative 8; Mismatches 30; Indels 12; Gaps 3;

QY 26 CERDVQCGAGTCCALISIMLRLGRLMCTPLGRGEC---HPSHKVPPFRKRKHTCPCL 81  
Db 131 CLRSSDCIEGPRCCARHFW---TKICKPVLRHGEVCTKORKKSHGLEIFOR----CDCA 182  
QY 82 PNLCSRFPDGRY 94  
Db 183 KGLSCKVWKDATY 195

Search completed: March 30, 2006, 17:36:29  
Job time : 48 secs

GenCore version 5.1.7  
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: March 30, 2006, 17:46:32 ; Search time 167 Seconds  
(without alignments)  
262.707 Million cell updates/sec

Title: US-10-692-299-2

Perfect score: 589

Sequence: 1 MRGATRVSMILLVTSQCA.....CSRPPDGRYRCMDLKNINF 105

Scoring table: BLOSUM62

Searched: Gapop 10.0 , Gapext 0.5

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications\_A1\_Main:  
1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*  
2: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep.\*  
3: /cgn2\_6/ptodata/1/pubpaa/US09\_PUBCOMB.pep.\*  
4: /cgn2\_6/ptodata/1/pubpaa/US10A\_PUBCOMB.pep.\*  
5: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep.\*  
6: /cgn2\_6/ptodata/1/pubpaa/US11\_PUBCOMB.pep.\*  
  
Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	589	100.0	105	3	US-09-989-722-371
2	589	100.0	105	3	US-09-989-723-371
3	589	100.0	105	3	US-09-989-279-371
4	589	100.0	105	3	US-09-989-727-371
5	589	100.0	105	3	US-09-989-731-371
6	589	100.0	105	3	US-09-989-732-371
7	589	100.0	105	3	US-09-991-073-371
8	589	100.0	105	3	US-09-990-442-371
9	589	100.0	105	3	US-09-991-163-371
10	589	100.0	105	3	US-09-993-604-371
11	589	100.0	105	3	US-09-990-456-371
12	589	100.0	105	3	US-09-989-721-371
13	589	100.0	105	3	US-09-992-598-371
14	589	100.0	105	3	US-09-886-242A-2
15	589	100.0	105	3	US-09-989-293A-371
16	589	100.0	105	3	US-09-965-528-11
17	589	100.0	105	3	US-09-989-735-371
18	589	100.0	105	3	US-09-990-444-371
19	589	100.0	105	3	US-09-991-181-371
20	589	100.0	105	3	US-09-989-730-371
21	589	100.0	105	3	US-09-990-436-371
22	589	100.0	105	3	US-09-993-687-371
23	589	100.0	105	3	US-09-989-734-371
24	589	100.0	105	3	US-09-997-653-371
25	589	100.0	105	3	US-09-989-724-371
26	589	100.0	105	3	US-09-989-728-371
27	589	100.0	105	3	US-09-990-441-371

28	589	100.0	105	3	US-09-993-667-371	Sequence 371, App
29	589	100.0	105	3	US-09-997-428-371	Sequence 371, App
30	589	100.0	105	3	US-09-997-666-371	Sequence 371, App
31	589	100.0	105	3	US-09-990-438-371	Sequence 371, App
32	589	100.0	105	3	US-09-990-562-371	Sequence 371, App
33	589	100.0	105	3	US-09-796-753-64	Sequence 64, Appl
34	589	100.0	105	3	US-09-990-711-371	Sequence 371, App
35	589	100.0	105	3	US-09-989-726-371	Sequence 371, App
36	589	100.0	105	3	US-09-998-156-371	Sequence 371, App
37	589	100.0	105	3	US-09-990-437-371	Sequence 371, App
38	589	100.0	105	3	US-09-991-157-371	Sequence 371, App
39	589	100.0	105	3	US-09-997-514-371	Sequence 371, App
40	589	100.0	105	3	US-09-997-573-371	Sequence 371, App
41	589	100.0	105	3	US-09-991-172-371	Sequence 371, App
42	589	100.0	105	3	US-09-990-726-371	Sequence 371, App
43	589	100.0	105	3	US-09-997-559-371	Sequence 371, App
44	589	100.0	105	3	US-09-997-601-371	Sequence 371, App
45	589	100.0	105	3	US-09-990-443-371	Sequence 371, App

## ALIGNMENTS

RESULT 1  
US-09-989-722-371  
Sequence 371, Application US/09989722  
Patent No. US20020072067A1  
GENERAL INFORMATION:  
APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Deenoyere, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gottard, Audrey E.  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Kljavin, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zenlin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2730PIC63  
CURRENT FILING DATE: 2001-11-19  
CURRENT FILING DATE: 2001-11-19  
PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-06-16  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/065186  
PRIOR FILING DATE: 1997-11-12  
PRIOR APPLICATION NUMBER: 60/065311  
PRIOR FILING DATE: 1997-11-13  
PRIOR APPLICATION NUMBER: 60/066770  
PRIOR FILING DATE: 1997-11-24  
PRIOR APPLICATION NUMBER: 60/075945  
PRIOR FILING DATE: 1998-02-25  
PRIOR APPLICATION NUMBER: 60/078910  
PRIOR FILING DATE: 1998-03-20  
PRIOR APPLICATION NUMBER: 60/083322  
PRIOR FILING DATE: 1998-04-28

PRIOR FILING DATE:	1998-06-17
PRIOR APPLICATION NUMBER:	60/089653
PRIOR FILING DATE:	1998-06-17
PRIOR APPLICATION NUMBER:	60/089801
PRIOR FILING DATE:	1998-06-18
PRIOR APPLICATION NUMBER:	60/089907
PRIOR FILING DATE:	1998-06-18
PRIOR APPLICATION NUMBER:	60/089908
PRIOR FILING DATE:	1998-06-18
PRIOR APPLICATION NUMBER:	60/089947
PRIOR FILING DATE:	1998-06-19
PRIOR APPLICATION NUMBER:	60/089948
PRIOR FILING DATE:	1998-06-19
PRIOR APPLICATION NUMBER:	60/089952
PRIOR FILING DATE:	1998-06-19
PRIOR APPLICATION NUMBER:	60/090246
PRIOR FILING DATE:	1998-06-22
PRIOR APPLICATION NUMBER:	60/090252
PRIOR FILING DATE:	1998-06-22
PRIOR APPLICATION NUMBER:	60/090254
PRIOR FILING DATE:	1998-06-22
PRIOR APPLICATION NUMBER:	60/090249
PRIOR FILING DATE:	1998-06-23
PRIOR APPLICATION NUMBER:	60/090355
PRIOR FILING DATE:	1998-06-23
PRIOR APPLICATION NUMBER:	60/090429
PRIOR FILING DATE:	1998-06-24
PRIOR APPLICATION NUMBER:	60/090444
PRIOR FILING DATE:	1998-06-24
PRIOR APPLICATION NUMBER:	60/090445
PRIOR FILING DATE:	1998-06-24
PRIOR APPLICATION NUMBER:	60/090540
PRIOR FILING DATE:	1998-06-24
PRIOR APPLICATION NUMBER:	60/090542
PRIOR FILING DATE:	1998-06-24
PRIOR APPLICATION NUMBER:	60/090557
PRIOR FILING DATE:	1998-06-24
PRIOR APPLICATION NUMBER:	60/090676
PRIOR FILING DATE:	1998-06-25
PRIOR APPLICATION NUMBER:	60/090678
PRIOR FILING DATE:	1998-06-25
PRIOR APPLICATION NUMBER:	60/090650
PRIOR FILING DATE:	1998-06-25
PRIOR APPLICATION NUMBER:	60/090694
PRIOR FILING DATE:	1998-06-25
PRIOR APPLICATION NUMBER:	60/090635
PRIOR FILING DATE:	1998-06-25
PRIOR APPLICATION NUMBER:	60/090656
PRIOR FILING DATE:	1998-06-25
PRIOR APPLICATION NUMBER:	60/090862
PRIOR FILING DATE:	1998-06-26
PRIOR APPLICATION NUMBER:	60/090863
PRIOR FILING DATE:	1998-06-26
PRIOR APPLICATION NUMBER:	60/091360
PRIOR FILING DATE:	1998-07-01
PRIOR APPLICATION NUMBER:	60/091478
PRIOR FILING DATE:	1998-07-02
PRIOR APPLICATION NUMBER:	60/091544
PRIOR FILING DATE:	1998-07-01
PRIOR APPLICATION NUMBER:	60/091519
PRIOR FILING DATE:	1998-07-02
PRIOR APPLICATION NUMBER:	60/091626
PRIOR FILING DATE:	1998-07-02
PRIOR APPLICATION NUMBER:	60/091633
PRIOR FILING DATE:	1998-07-02

PRIOR APPLICATION NUMBER: 60/091978  
PRIOR FILING DATE: 1998-07-07  
PRIOR APPLICATION NUMBER: 60/091982  
PRIOR FILING DATE: 1998-07-07  
PRIOR APPLICATION NUMBER: 60/092182  
PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 3; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1,4e-53;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRGATRVIMLLTVNSCAVITGACERDVCGAGTCCALISMLAGMCTPLGREGEC 60  
Db 1 MRGATRVIMLLTVNSCAVITGACERDVCGAGTCCALISMLAGMCTPLGREGEC 60

Qy 61 HPGSHKVPFRKRGKHTCPCLPNLLCSRFPDGRYRCSMDLNINP 105  
Db 61 HPGSHKVPFRKRGKHTCPCLPNLLCSRFPDGRYRCSMDLNINP 105

RESULT 2  
US-09-989-723-371  
Sequence 371, Application US/09989723  
Patent No. US20020072092A1

GENERAL INFORMATION:  
APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Deenoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, O. Christopher  
APPLICANT: Gurney, Auelin L.  
APPLICANT: Kljavin, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2730PIC62  
CURRENT APPLICATION NUMBER: US/09/989,723  
PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-06-16  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/065186  
PRIOR FILING DATE: 1997-11-12  
PRIOR APPLICATION NUMBER: 60/065311  
PRIOR FILING DATE: 1997-11-13  
PRIOR APPLICATION NUMBER: 60/066770  
PRIOR FILING DATE: 1997-11-24  
PRIOR APPLICATION NUMBER: 60/075945  
PRIOR FILING DATE: 1998-02-25  
PRIOR APPLICATION NUMBER: 60/078910  
PRIOR FILING DATE: 1998-03-20  
PRIOR APPLICATION NUMBER: 60/083322  
PRIOR FILING DATE: 1998-04-28  
PRIOR APPLICATION NUMBER: 60/084600  
PRIOR FILING DATE: 1998-05-07  
PRIOR APPLICATION NUMBER: 60/087106

PRIOR FILING DATE: 1998-05-28  
PRIOR APPLICATION NUMBER: 60/087607  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087609  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087759  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087827  
PRIOR FILING DATE: 1998-06-03  
PRIOR APPLICATION NUMBER: 60/088021  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088025  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088026  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088028  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088029  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088030  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088033  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088326  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088167  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088202  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088212  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088217  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088555  
PRIOR FILING DATE: 1998-06-09  
PRIOR APPLICATION NUMBER: 60/088734  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088738  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088742  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088810  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088824  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088826  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088858  
PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/088861  
PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/088876  
PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/089105  
PRIOR FILING DATE: 1998-06-12  
PRIOR APPLICATION NUMBER: 60/089440  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089512  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089514  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089532  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089538  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089598  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089599  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089600  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089653  
PRIOR FILING DATE: 1998-06-17

PRIOR APPLICATION NUMBER: 60/089801  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089907  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089908  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089947  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/089948  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/089952  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/090246  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090252  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090254  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090349  
PRIOR FILING DATE: 1998-06-23  
PRIOR APPLICATION NUMBER: 60/090355  
PRIOR FILING DATE: 1998-06-23  
PRIOR APPLICATION NUMBER: 60/090429  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090431  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090435  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090444  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090445  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090472  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090535  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090540  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090542  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090557  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090676  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090678  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090690  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090694  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090695  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090696  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090862  
PRIOR FILING DATE: 1998-06-26  
PRIOR APPLICATION NUMBER: 60/090863  
PRIOR FILING DATE: 1998-06-26  
PRIOR APPLICATION NUMBER: 60/091360  
PRIOR FILING DATE: 1998-07-01  
PRIOR APPLICATION NUMBER: 60/091478  
PRIOR FILING DATE: 1998-07-02  
PRIOR APPLICATION NUMBER: 60/091544  
PRIOR FILING DATE: 1998-07-01  
PRIOR APPLICATION NUMBER: 60/091519  
PRIOR FILING DATE: 1998-07-02  
PRIOR APPLICATION NUMBER: 60/091626  
PRIOR FILING DATE: 1998-07-02  
PRIOR APPLICATION NUMBER: 60/091633  
PRIOR FILING DATE: 1998-07-02  
PRIOR APPLICATION NUMBER: 60/091978  
PRIOR FILING DATE: 1998-07-07  
PRIOR APPLICATION NUMBER: 60/091982

PRIOR FILING DATE: 1998-07-07  
PRIOR APPLICATION NUMBER: 60/092182  
PRIOR FILING DATE: 1998-07-09  
Query Match 100.0%; Score 589; DB 3; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1,4e-53;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Dy 1 MRGATRSIMLLVTVSDCAVITGACERDVQCGAGTCCATISLWLRGLRMCTPIGRREGEC 60  
Db 1 MRGATRSIMLLVTVSDCAVITGACERDVQCGAGTCCATISLWLRGLRMCTPIGRREGEC 60  
Dy 61 HPGSHKVPFPRKRRKHTCPCLPMLCSRFPDGRYRCMDKXNINF 105  
Db 61 HPGSHKVPFPRKRRKHTCPCLPMLCSRFPDGRYRCMDKXNINF 105  
RESULT 3  
US-09-989-279-371  
Sequence 371, Application US/09989279  
Patent No. US20020072496A1  
GENERAL INFORMATION:  
APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Deenoyers, Luc  
APPLICANT: Baton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerlitsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Kijavini, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tuma, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2730PIC56  
CURRENT APPLICATION NUMBER: US/09/989, 279  
CURRENT FILING DATE: 2001-11-19  
PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-06-16  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/065186  
PRIOR FILING DATE: 1997-11-12  
PRIOR APPLICATION NUMBER: 60/065311  
PRIOR FILING DATE: 1997-11-13  
PRIOR APPLICATION NUMBER: 60/066770  
PRIOR FILING DATE: 1997-11-24  
PRIOR APPLICATION NUMBER: 60/075945  
PRIOR FILING DATE: 1998-02-25  
PRIOR APPLICATION NUMBER: 60/078910  
PRIOR FILING DATE: 1998-03-20  
PRIOR APPLICATION NUMBER: 60/083322  
PRIOR FILING DATE: 1998-04-28  
PRIOR APPLICATION NUMBER: 60/084600  
PRIOR FILING DATE: 1998-05-07  
PRIOR APPLICATION NUMBER: 60/087106  
PRIOR FILING DATE: 1998-05-28  
PRIOR APPLICATION NUMBER: 60/087607  
PRIOR FILING DATE: 1998-06-02

[illegible]

```
Query Match      100.0%; Score 589; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 1,4e-53;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy      1 MRGATRSIMLLVTVSDCAVITGACERDVCCGAGTCCAI5LMTLRLMTCTPLRGEGSEC 60
Db      1 MRGATRSIMLLVTVSDCAVITGACERDVCCGAGTCCAI5LMTLRLMTCTPLRGEGSEC 60

Cy      61 HPGSHKVPFFKRRKHHTCCPLNLLCSRFPPDGRYRC5MDLNINP 105
Db      61 HPGSHKVPFFKRRKHHTCCPLNLLCSRFPPDGRYRC5MDLNINP 105

RESULT 4
US-09-989-727-371
; Sequence 371, Application US/09989727
; Patent No. US20020072497A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Deenoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gertlisen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C65
; CURRENT FILING DATE: US/09/989,727
; PRIOR APPLICATION NUMBER: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087607
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087609
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087759

; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
; PRIOR FILING DATE: 1998-06-03
; PRIOR APPLICATION NUMBER: 60/088021
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088025
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088026
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088028
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088029
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088030
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088033
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088326
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088167
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088202
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088212
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088217
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088655
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: 60/088734
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088738
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088742
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088810
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088824
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088826
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088858
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088861
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088876
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089440
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089512
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089599
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089600
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089801
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089907
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089908
; PRIOR FILING DATE: 1998-06-18
```

```
;; PRIOR APPLICATION NUMBER: 60/089947
;; PRIOR FILING DATE: 1998-06-19
;; PRIOR APPLICATION NUMBER: 60/089948
;; PRIOR FILING DATE: 1998-06-19
;; PRIOR APPLICATION NUMBER: 60/089952
;; PRIOR FILING DATE: 1998-06-19
;; PRIOR APPLICATION NUMBER: 60/090246
;; PRIOR FILING DATE: 1998-06-22
;; PRIOR APPLICATION NUMBER: 60/090252
;; PRIOR FILING DATE: 1998-06-22
;; PRIOR APPLICATION NUMBER: 60/090254
;; PRIOR FILING DATE: 1998-06-22
;; PRIOR APPLICATION NUMBER: 60/090349
;; PRIOR FILING DATE: 1998-06-23
;; PRIOR APPLICATION NUMBER: 60/090355
;; PRIOR FILING DATE: 1998-06-23
;; PRIOR APPLICATION NUMBER: 60/090429
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090431
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090435
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090444
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090445
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090472
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090535
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090540
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090542
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090557
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090676
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090678
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090690
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090694
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090695
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090696
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090862
;; PRIOR FILING DATE: 1998-06-26
;; PRIOR APPLICATION NUMBER: 60/090863
;; PRIOR FILING DATE: 1998-06-26
;; PRIOR APPLICATION NUMBER: 60/091360
;; PRIOR FILING DATE: 1998-07-01
;; PRIOR APPLICATION NUMBER: 60/091478
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091544
;; PRIOR FILING DATE: 1998-07-01
;; PRIOR APPLICATION NUMBER: 60/091519
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091626
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091633
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091978
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Query Match      100.0%; Score 589; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.4e-53;
```

---

```
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy      1 MRGATRVSIMLLTVSDCAVITGACERDVCGAGTCCASLWRLGIMCTPLGREGEC 60
        |||
Db      1 MRGATRVSIMLLTVSDCAVITGACERDVCGAGTCCASLWRLGIMCTPLGREGEC 60
        |||
Qy      61 HPGSHKVPFRKRKHHTCCPLNLLCSRFPPGRRRCSDMLKNINP 105
        |||
Db      61 HPGSHKVPFRKRKHHTCCPLNLLCSRFPPGRRRCSDMLKNINP 105
        |||

RESULT 5
US-09-989-731-371
; Sequence 371, Application US/09989731
; Patent No. US20020103125A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Deenoyers, Luc
; APPLICANT: Baton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C70
CURRENT FILING DATE: US/09/989, 731
PRIOR FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/075945
PRIOR FILING DATE: 1998-02-25
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/087106
PRIOR FILING DATE: 1998-05-28
PRIOR APPLICATION NUMBER: 60/087607
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087609
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087759
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087827
PRIOR FILING DATE: 1998-06-03
```

;; PRIOR APPLICATION NUMBER: 60/088021  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088025  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088026  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088028  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088029  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088030  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088033  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088326  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088167  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088202  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088212  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088217  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088655  
;; PRIOR FILING DATE: 1998-06-09  
;; PRIOR APPLICATION NUMBER: 60/088734  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088738  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088742  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088810  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088824  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088826  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088858  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/088861  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/088876  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/089105  
;; PRIOR FILING DATE: 1998-06-12  
;; PRIOR APPLICATION NUMBER: 60/089440  
;; PRIOR FILING DATE: 1998-06-16  
;; PRIOR APPLICATION NUMBER: 60/089512  
;; PRIOR FILING DATE: 1998-06-16  
;; PRIOR APPLICATION NUMBER: 60/089514  
;; PRIOR FILING DATE: 1998-06-16  
;; PRIOR APPLICATION NUMBER: 60/089532  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089538  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089598  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089599  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089600  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089653  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089801  
;; PRIOR FILING DATE: 1998-06-18  
;; PRIOR APPLICATION NUMBER: 60/089907  
;; PRIOR FILING DATE: 1998-06-18  
;; PRIOR APPLICATION NUMBER: 60/089908  
;; PRIOR FILING DATE: 1998-06-18  
;; PRIOR APPLICATION NUMBER: 60/089947  
;; PRIOR FILING DATE: 1998-06-19  
;; PRIOR APPLICATION NUMBER: 60/089948

;; PRIOR FILING DATE: 1998-06-19  
;; PRIOR APPLICATION NUMBER: 60/089952  
;; PRIOR FILING DATE: 1998-06-19  
;; PRIOR APPLICATION NUMBER: 60/090246  
;; PRIOR FILING DATE: 1998-06-22  
;; PRIOR APPLICATION NUMBER: 60/090252  
;; PRIOR FILING DATE: 1998-06-22  
;; PRIOR APPLICATION NUMBER: 60/090254  
;; PRIOR FILING DATE: 1998-06-22  
;; PRIOR APPLICATION NUMBER: 60/090349  
;; PRIOR FILING DATE: 1998-06-23  
;; PRIOR APPLICATION NUMBER: 60/090355  
;; PRIOR FILING DATE: 1998-06-23  
;; PRIOR APPLICATION NUMBER: 60/090429  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090431  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090435  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090444  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090445  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090472  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090535  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090540  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090542  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090557  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090676  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090678  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090690  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090694  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090695  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090696  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090862  
;; PRIOR FILING DATE: 1998-06-26  
;; PRIOR APPLICATION NUMBER: 60/090863  
;; PRIOR FILING DATE: 1998-06-26  
;; PRIOR APPLICATION NUMBER: 60/091360  
;; PRIOR FILING DATE: 1998-07-01  
;; PRIOR APPLICATION NUMBER: 60/091478  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091544  
;; PRIOR FILING DATE: 1998-07-01  
;; PRIOR APPLICATION NUMBER: 60/091519  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091626  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091633  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091978  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/091982  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 3; Length 105;

Best Local Similarity 100.0%; Pred. No. 1,4e-53; Indels 0; Gaps 0;

Matches 105; Conservative 0; Mismatches 0;

Oy 1 MRGATRVSIMLWTVSDCAVITGACERDVQCGAGTCCAIStLWLRGIRMCTPLGRGEGEC 60

Db 1 MRGATRSIMLLVTSQCAVITGACERDVCCGAGTCCATLMTKGLMCTPLQREBEC 60  
Cy 61 HPGSHKVPFFRKRGHTCPCLPNLLCSRFPGGRYRCSMDLNINF 105  
Db 61 HPGSHKVPFFRKRGHTCPCLPNLLCSRFPGGRYRCSMDLNINF 105

RESULT 6  
US-09-989-732-371  
Sequence 371, Application us/09989732  
Patent No. US20020123463A1  
GENERAL INFORMATION:  
APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Deenoyers, Luc  
APPLICANT: Baton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Kljavin, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2730P1C57  
CURRENT APPLICATION NUMBER: US/09/989,732  
CURRENT FILING DATE: 2001-11-19  
PRIOR APPLICATION NUMBER: 60/043787  
PRIOR FILING DATE: 1997-06-16  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/065186  
PRIOR FILING DATE: 1997-11-12  
PRIOR APPLICATION NUMBER: 60/065311  
PRIOR FILING DATE: 1997-11-13  
PRIOR APPLICATION NUMBER: 60/066770  
PRIOR FILING DATE: 1997-11-24  
PRIOR APPLICATION NUMBER: 60/075945  
PRIOR FILING DATE: 1998-02-25  
PRIOR APPLICATION NUMBER: 60/078910  
PRIOR FILING DATE: 1998-03-20  
PRIOR APPLICATION NUMBER: 60/083322  
PRIOR FILING DATE: 1998-04-28  
PRIOR APPLICATION NUMBER: 60/084600  
PRIOR FILING DATE: 1998-05-07  
PRIOR APPLICATION NUMBER: 60/087106  
PRIOR FILING DATE: 1998-05-28  
PRIOR APPLICATION NUMBER: 60/087607  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087609  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087759  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087827  
PRIOR FILING DATE: 1998-06-03  
PRIOR APPLICATION NUMBER: 60/088021  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088025

PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088026  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088028  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088029  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088030  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088033  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088326  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088167  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088202  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088212  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088217  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088655  
PRIOR FILING DATE: 1998-06-09  
PRIOR APPLICATION NUMBER: 60/088734  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088738  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088742  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088810  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088824  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088826  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088858  
PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/088861  
PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/088876  
PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/089105  
PRIOR FILING DATE: 1998-06-12  
PRIOR APPLICATION NUMBER: 60/089440  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089512  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089514  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089532  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089538  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089598  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089599  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089600  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089653  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089801  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089907  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089908  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089947  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/089948  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/089952  
PRIOR FILING DATE: 1998-06-19

PRIOR APPLICATION NUMBER: 60/090246  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090252  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090254  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090349  
PRIOR FILING DATE: 1998-06-23  
PRIOR APPLICATION NUMBER: 60/090355  
PRIOR FILING DATE: 1998-06-23  
PRIOR APPLICATION NUMBER: 60/090429  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090431  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090435  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090444  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090445  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090472  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090535  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090540  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090542  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090557  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090676  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090678  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090690  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090694  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090695  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090696  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090862  
PRIOR FILING DATE: 1998-06-26  
PRIOR APPLICATION NUMBER: 60/090863  
PRIOR FILING DATE: 1998-06-26  
PRIOR APPLICATION NUMBER: 60/091360  
PRIOR FILING DATE: 1998-07-01  
PRIOR APPLICATION NUMBER: 60/091478  
PRIOR FILING DATE: 1998-07-02  
PRIOR APPLICATION NUMBER: 60/091544  
PRIOR FILING DATE: 1998-07-01  
PRIOR APPLICATION NUMBER: 60/091519  
PRIOR FILING DATE: 1998-07-02  
PRIOR APPLICATION NUMBER: 60/091626  
PRIOR FILING DATE: 1998-07-02  
PRIOR APPLICATION NUMBER: 60/091633  
PRIOR FILING DATE: 1998-07-02  
PRIOR APPLICATION NUMBER: 60/091978  
PRIOR FILING DATE: 1998-07-07  
PRIOR APPLICATION NUMBER: 60/091982  
PRIOR FILING DATE: 1998-07-07  
PRIOR APPLICATION NUMBER: 60/092182  
PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 3; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1,4e-53;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACGRDYOCCAGTCCALISLWIRGLRMCTPLGRSGESEC 60  
DB 1 MRGATRVSIMLLVTVSDCAVITGACGRDYOCCAGTCCALISLWIRGLRMCTPLGRSGESEC 60

QY 61 HPGSHKVPFPRKRKHHTCPLPNTLCGRFPDGRYRCSMDLKNINF 105  
DB 61 HPGSHKVPFPRKRKHHTCPLPNTLCGRFPDGRYRCSMDLKNINF 105  
RESULT 7  
US-09-991-073-371  
Sequence 371, Application US/09991073  
Patent No. US20020127576A1  
GENERAL INFORMATION:  
APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Deenoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerltzen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gutney, Austin L.  
APPLICANT: Kijavlin, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Peoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Matanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2730PIC15  
CURRENT APPLICATION NUMBER: US/09/991,073  
CURRENT FILING DATE: 2001-11-14  
PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-06-16  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/065186  
PRIOR FILING DATE: 1997-11-12  
PRIOR APPLICATION NUMBER: 60/065311  
PRIOR FILING DATE: 1997-11-13  
PRIOR APPLICATION NUMBER: 60/066770  
PRIOR FILING DATE: 1997-11-24  
PRIOR APPLICATION NUMBER: 60/075945  
PRIOR FILING DATE: 1998-02-25  
PRIOR APPLICATION NUMBER: 60/078910  
PRIOR FILING DATE: 1998-03-20  
PRIOR APPLICATION NUMBER: 60/083322  
PRIOR FILING DATE: 1998-04-28  
PRIOR APPLICATION NUMBER: 60/084600  
PRIOR FILING DATE: 1998-05-07  
PRIOR APPLICATION NUMBER: 60/087106  
PRIOR FILING DATE: 1998-05-28  
PRIOR APPLICATION NUMBER: 60/087607  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087609  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087759  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087827  
PRIOR FILING DATE: 1998-06-03  
PRIOR APPLICATION NUMBER: 60/088021  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088025  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088026  
PRIOR FILING DATE: 1998-06-04



RESULT 8  
US-09-990-442-371  
Sequence 371, Application US/09990442  
Patent No. US20020132252A1  
GENERAL INFORMATION:  
APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerltsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Kijavini, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Collin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
TITLE OR INVENTION: Acids Encoding the Same  
FILE REFERENCE: P2730P18  
CURRENT APPLICATION NUMBER: US/09/990.442  
CURRENT FILING DATE: 2001-11-14  
PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-06-16  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/065186  
PRIOR FILING DATE: 1997-11-12  
PRIOR APPLICATION NUMBER: 60/065311  
PRIOR FILING DATE: 1997-11-13  
PRIOR APPLICATION NUMBER: 60/066770  
PRIOR FILING DATE: 1997-11-24  
PRIOR APPLICATION NUMBER: 60/075945  
PRIOR FILING DATE: 1998-02-25  
PRIOR APPLICATION NUMBER: 60/078910  
PRIOR FILING DATE: 1998-03-20  
PRIOR APPLICATION NUMBER: 60/083322  
PRIOR FILING DATE: 1998-04-28  
PRIOR APPLICATION NUMBER: 60/084600  
PRIOR FILING DATE: 1998-05-07  
PRIOR APPLICATION NUMBER: 60/087106  
PRIOR FILING DATE: 1998-05-28  
PRIOR APPLICATION NUMBER: 60/087607  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087609  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087759  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087827  
PRIOR FILING DATE: 1998-06-03  
PRIOR APPLICATION NUMBER: 60/088021  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088025  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088026  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088028  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088029  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088030  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088033  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088326  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088167  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088202  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088212  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088217  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088655  
PRIOR FILING DATE: 1998-06-09  
PRIOR APPLICATION NUMBER: 60/088734  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088738  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088742  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088810  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088824  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088826  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088858  
PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/088861  
PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/088876  
PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/089105  
PRIOR FILING DATE: 1998-06-12  
PRIOR APPLICATION NUMBER: 60/089440  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089512  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089514  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089532  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089538  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089598  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089599  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089600  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089653  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089801  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089907  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089908  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089947  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/089948  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/089952  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/090246  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090252  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090254  
PRIOR FILING DATE: 1998-06-22

PRIOR APPLICATION NUMBER: 60/090349  
PRIOR FILING DATE: 1998-06-23  
PRIOR APPLICATION NUMBER: 60/090355  
PRIOR FILING DATE: 1998-06-23  
PRIOR APPLICATION NUMBER: 60/090429  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090431  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090435  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090444  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090445  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090472  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090535  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090540  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090542  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090557  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090676  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090678  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090690  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090694  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090695  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090696  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090862  
PRIOR FILING DATE: 1998-06-26  
PRIOR APPLICATION NUMBER: 60/090863  
PRIOR FILING DATE: 1998-06-26  
PRIOR APPLICATION NUMBER: 60/091360  
PRIOR FILING DATE: 1998-07-01  
PRIOR APPLICATION NUMBER: 60/091478  
PRIOR FILING DATE: 1998-07-02  
PRIOR APPLICATION NUMBER: 60/091544  
PRIOR FILING DATE: 1998-07-01  
PRIOR APPLICATION NUMBER: 60/091519  
PRIOR FILING DATE: 1998-07-02  
PRIOR APPLICATION NUMBER: 60/091626  
PRIOR FILING DATE: 1998-07-02  
PRIOR APPLICATION NUMBER: 60/091633  
PRIOR FILING DATE: 1998-07-02  
PRIOR APPLICATION NUMBER: 60/091978  
PRIOR FILING DATE: 1998-07-07  
PRIOR APPLICATION NUMBER: 60/091982  
PRIOR FILING DATE: 1998-07-07  
PRIOR APPLICATION NUMBER: 60/092182  
PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 3; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1,4e-53;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 MGRATRVSMILVTVSDCAVTTGACERDVCGAGTCCASISLMLGRLMCTPLRGEGSEC 60  
Db 1 MGRATRVSMILVTVSDCAVTTGACERDVCGAGTCCASISLMLGRLMCTPLRGEGSEC 60  
Oy 61 HPGSHKVPFPRKRRKHTCPCLPNILCSRPPDGRYVCSMDLKNINF 105  
Db 61 HPGSHKVPFPRKRRKHTCPCLPNILCSRPPDGRYVCSMDLKNINF 105

RESULT 9

US-09-991-163-371  
Sequence 371, Application US/09991163  
Patent No. US20020132253A1  
GENERAL INFORMATION:  
APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Deanoys, Luc  
APPLICANT: Batoni, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gottlieb, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Kljavin, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tunas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
TITLE OR INVENTION: Acids Encoding the Same  
FILE REFERENCE: P2730P1C17  
CURRENT FILING DATE: 2001-11-14  
PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-06-16  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/065186  
PRIOR FILING DATE: 1997-11-12  
PRIOR APPLICATION NUMBER: 60/065311  
PRIOR FILING DATE: 1997-11-13  
PRIOR APPLICATION NUMBER: 60/066770  
PRIOR FILING DATE: 1997-11-24  
PRIOR APPLICATION NUMBER: 60/075945  
PRIOR FILING DATE: 1998-02-25  
PRIOR APPLICATION NUMBER: 60/078910  
PRIOR FILING DATE: 1998-03-20  
PRIOR APPLICATION NUMBER: 60/083322  
PRIOR FILING DATE: 1998-04-28  
PRIOR APPLICATION NUMBER: 60/084600  
PRIOR FILING DATE: 1998-05-07  
PRIOR APPLICATION NUMBER: 60/087106  
PRIOR FILING DATE: 1998-05-28  
PRIOR APPLICATION NUMBER: 60/087607  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087609  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087759  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087827  
PRIOR FILING DATE: 1998-06-03  
PRIOR APPLICATION NUMBER: 60/088021  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088025  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088026  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088028  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088029  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088030  
PRIOR FILING DATE: 1998-06-04

;; PRIOR APPLICATION NUMBER: 60/088033  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088326  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088167  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088202  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088212  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088217  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088655  
;; PRIOR FILING DATE: 1998-06-09  
;; PRIOR APPLICATION NUMBER: 60/088734  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088738  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088742  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088810  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088824  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088826  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088858  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/088861  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/088876  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/089105  
;; PRIOR FILING DATE: 1998-06-12  
;; PRIOR APPLICATION NUMBER: 60/089440  
;; PRIOR FILING DATE: 1998-06-16  
;; PRIOR APPLICATION NUMBER: 60/089512  
;; PRIOR FILING DATE: 1998-06-16  
;; PRIOR APPLICATION NUMBER: 60/089514  
;; PRIOR FILING DATE: 1998-06-16  
;; PRIOR APPLICATION NUMBER: 60/089532  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089538  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089598  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089599  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089600  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089653  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089801  
;; PRIOR FILING DATE: 1998-06-18  
;; PRIOR APPLICATION NUMBER: 60/089907  
;; PRIOR FILING DATE: 1998-06-18  
;; PRIOR APPLICATION NUMBER: 60/089908  
;; PRIOR FILING DATE: 1998-06-18  
;; PRIOR APPLICATION NUMBER: 60/089947  
;; PRIOR FILING DATE: 1998-06-19  
;; PRIOR APPLICATION NUMBER: 60/089948  
;; PRIOR FILING DATE: 1998-06-19  
;; PRIOR APPLICATION NUMBER: 60/089952  
;; PRIOR FILING DATE: 1998-06-19  
;; PRIOR APPLICATION NUMBER: 60/090246  
;; PRIOR FILING DATE: 1998-06-22  
;; PRIOR APPLICATION NUMBER: 60/090252  
;; PRIOR FILING DATE: 1998-06-22  
;; PRIOR APPLICATION NUMBER: 60/090254  
;; PRIOR FILING DATE: 1998-06-22  
;; PRIOR APPLICATION NUMBER: 60/090349  
;; PRIOR FILING DATE: 1998-06-23  
;; PRIOR APPLICATION NUMBER: 60/090355

;; PRIOR FILING DATE: 1998-06-23  
;; PRIOR APPLICATION NUMBER: 60/090429  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090431  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090435  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090444  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090445  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090472  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090535  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090540  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090542  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090557  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090676  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090678  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090690  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090694  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090695  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090696  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090862  
;; PRIOR FILING DATE: 1998-06-26  
;; PRIOR APPLICATION NUMBER: 60/090863  
;; PRIOR FILING DATE: 1998-06-26  
;; PRIOR APPLICATION NUMBER: 60/091360  
;; PRIOR FILING DATE: 1998-07-01  
;; PRIOR APPLICATION NUMBER: 60/091478  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091544  
;; PRIOR FILING DATE: 1998-07-01  
;; PRIOR APPLICATION NUMBER: 60/091519  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091626  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091633  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091978  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/091982  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 3; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1,4e-53;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRGATVSIIMLLVTVSDCAVITGACERDVQCGAGTCCAIISLWLRGLRMCTPIGRGEGEC 60  
Db 1 MRGATVSIIMLLVTVSDCAVITGACERDVQCGAGTCCAIISLWLRGLRMCTPIGRGEGEC 60  
Qy 61 HPGSHKVPFFRKXKHHTCPCLPMLLCSRPDPGRYRCSSMDLKNINF 105  
Db 61 HPGSHKVPFFRKXKHHTCPCLPMLLCSRPDPGRYRCSSMDLKNINF 105

RESULT 10  
US-09-993-604-371  
; Sequence 371, Application US/09993604  
; Patent No. US20020137075A1

GENERAL INFORMATION:  
APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Deamoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Geritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gutney, Austin L.  
APPLICANT: Kljavin, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE OF INVENTION: Acids Encoding the Same  
FILE REFERENCE: P2730PIC25  
CURRENT APPLICATION NUMBER: US/09/993,604  
PRIOR FILING DATE: 2001-11-14  
PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-06-16  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/065186  
PRIOR FILING DATE: 1997-11-12  
PRIOR APPLICATION NUMBER: 60/06511  
PRIOR FILING DATE: 1997-11-13  
PRIOR APPLICATION NUMBER: 60/066770  
PRIOR FILING DATE: 1997-11-24  
PRIOR APPLICATION NUMBER: 60/075945  
PRIOR FILING DATE: 1998-02-25  
PRIOR APPLICATION NUMBER: 60/078910  
PRIOR FILING DATE: 1998-03-20  
PRIOR APPLICATION NUMBER: 60/083322  
PRIOR FILING DATE: 1998-04-28  
PRIOR APPLICATION NUMBER: 60/084600  
PRIOR FILING DATE: 1998-05-07  
PRIOR APPLICATION NUMBER: 60/087106  
PRIOR FILING DATE: 1998-05-28  
PRIOR APPLICATION NUMBER: 60/087607  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087609  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087759  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087827  
PRIOR FILING DATE: 1998-06-03  
PRIOR APPLICATION NUMBER: 60/088021  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088025  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088026  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088028  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088029  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088030  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088033  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088326

PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088167  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088202  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088212  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088217  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088555  
PRIOR FILING DATE: 1998-06-09  
PRIOR APPLICATION NUMBER: 60/088734  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088738  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088742  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088810  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088824  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088826  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088858  
PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/088861  
PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/088876  
PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/089105  
PRIOR FILING DATE: 1998-06-12  
PRIOR APPLICATION NUMBER: 60/089440  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089512  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089514  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089532  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089538  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089598  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089599  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089600  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089653  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089801  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089907  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089908  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089947  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/089948  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/089952  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/090246  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090252  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090254  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090349  
PRIOR FILING DATE: 1998-06-23  
PRIOR APPLICATION NUMBER: 60/090355  
PRIOR FILING DATE: 1998-06-23  
PRIOR APPLICATION NUMBER: 60/090429  
PRIOR FILING DATE: 1998-06-24

```

; PRIOR APPLICATION NUMBER: 60/090431
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090435
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090444
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090445
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090472
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090535
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090540
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090542
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090557
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090676
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090678
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090690
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090694
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090695
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090696
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090862
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/090863
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/091360
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091478
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match      100.0%; Score 589; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 1,4e-53;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 MRGATRVSIMLLVTSQCAVITGCGEEDVQCGAGTCCATSLMRLGMLMCTPLRGREGSEC 60
Db      1 MRGATRVSIMLLVTSQCAVITGCGEEDVQCGAGTCCATSLMRLGMLMCTPLRGREGSEC 60

QY      61 HPGSHKVPFFRKRRKHTCPCLPNLLCSRFPPDGRYRCSMDLNKINF 105
Db      61 HPGSHKVPFFRKRRKHTCPCLPNLLCSRFPPDGRYRCSMDLNKINF 105

RESULT 11
US-09-990-456-371
; Sequence 371. Application US/09990456
; Patent No. US20020137890A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.

```

PRIOR APPLICATION NUMBER: 60/088202  
 PRIOR FILING DATE: 1998-06-05  
 PRIOR APPLICATION NUMBER: 60/088212  
 PRIOR FILING DATE: 1998-06-05  
 PRIOR APPLICATION NUMBER: 60/088217  
 PRIOR FILING DATE: 1998-06-05  
 PRIOR APPLICATION NUMBER: 60/088655  
 PRIOR FILING DATE: 1998-06-09  
 PRIOR APPLICATION NUMBER: 60/088734  
 PRIOR FILING DATE: 1998-06-10  
 PRIOR APPLICATION NUMBER: 60/088738  
 PRIOR FILING DATE: 1998-06-10  
 PRIOR APPLICATION NUMBER: 60/088742  
 PRIOR FILING DATE: 1998-06-10  
 PRIOR APPLICATION NUMBER: 60/088810  
 PRIOR FILING DATE: 1998-06-10  
 PRIOR APPLICATION NUMBER: 60/088824  
 PRIOR FILING DATE: 1998-06-10  
 PRIOR APPLICATION NUMBER: 60/088826  
 PRIOR FILING DATE: 1998-06-10  
 PRIOR APPLICATION NUMBER: 60/088858  
 PRIOR FILING DATE: 1998-06-11  
 PRIOR APPLICATION NUMBER: 60/088861  
 PRIOR FILING DATE: 1998-06-11  
 PRIOR APPLICATION NUMBER: 60/088876  
 PRIOR FILING DATE: 1998-06-11  
 PRIOR APPLICATION NUMBER: 60/089105  
 PRIOR FILING DATE: 1998-06-12  
 PRIOR APPLICATION NUMBER: 60/089440  
 PRIOR FILING DATE: 1998-06-16  
 PRIOR APPLICATION NUMBER: 60/089512  
 PRIOR FILING DATE: 1998-06-16  
 PRIOR APPLICATION NUMBER: 60/089514  
 PRIOR FILING DATE: 1998-06-16  
 PRIOR APPLICATION NUMBER: 60/089532  
 PRIOR FILING DATE: 1998-06-17  
 PRIOR APPLICATION NUMBER: 60/089538  
 PRIOR FILING DATE: 1998-06-17  
 PRIOR APPLICATION NUMBER: 60/089598  
 PRIOR FILING DATE: 1998-06-17  
 PRIOR APPLICATION NUMBER: 60/089599  
 PRIOR FILING DATE: 1998-06-17  
 PRIOR APPLICATION NUMBER: 60/089600  
 PRIOR FILING DATE: 1998-06-17  
 PRIOR APPLICATION NUMBER: 60/089653  
 PRIOR FILING DATE: 1998-06-17  
 PRIOR APPLICATION NUMBER: 60/089801  
 PRIOR FILING DATE: 1998-06-18  
 PRIOR APPLICATION NUMBER: 60/089807  
 PRIOR FILING DATE: 1998-06-18  
 PRIOR APPLICATION NUMBER: 60/089908  
 PRIOR FILING DATE: 1998-06-18  
 PRIOR APPLICATION NUMBER: 60/089947  
 PRIOR FILING DATE: 1998-06-19  
 PRIOR APPLICATION NUMBER: 60/089948  
 PRIOR FILING DATE: 1998-06-19  
 PRIOR APPLICATION NUMBER: 60/089952  
 PRIOR FILING DATE: 1998-06-19  
 PRIOR APPLICATION NUMBER: 60/090246  
 PRIOR FILING DATE: 1998-06-22  
 PRIOR APPLICATION NUMBER: 60/090252  
 PRIOR FILING DATE: 1998-06-22  
 PRIOR APPLICATION NUMBER: 60/090254  
 PRIOR FILING DATE: 1998-06-22  
 PRIOR APPLICATION NUMBER: 60/090349  
 PRIOR FILING DATE: 1998-06-23  
 PRIOR APPLICATION NUMBER: 60/090355  
 PRIOR FILING DATE: 1998-06-23  
 PRIOR APPLICATION NUMBER: 60/090429  
 PRIOR FILING DATE: 1998-06-24  
 PRIOR APPLICATION NUMBER: 60/090431  
 PRIOR FILING DATE: 1998-06-24  
 PRIOR APPLICATION NUMBER: 60/090435

PRIOR FILING DATE: 1998-06-24  
 PRIOR APPLICATION NUMBER: 60/090444  
 PRIOR FILING DATE: 1998-06-24  
 PRIOR APPLICATION NUMBER: 60/090445  
 PRIOR FILING DATE: 1998-06-24  
 PRIOR APPLICATION NUMBER: 60/090472  
 PRIOR FILING DATE: 1998-06-24  
 PRIOR APPLICATION NUMBER: 60/090535  
 PRIOR FILING DATE: 1998-06-24  
 PRIOR APPLICATION NUMBER: 60/090540  
 PRIOR FILING DATE: 1998-06-24  
 PRIOR APPLICATION NUMBER: 60/090542  
 PRIOR FILING DATE: 1998-06-24  
 PRIOR APPLICATION NUMBER: 60/090557  
 PRIOR FILING DATE: 1998-06-24  
 PRIOR APPLICATION NUMBER: 60/090676  
 PRIOR FILING DATE: 1998-06-25  
 PRIOR APPLICATION NUMBER: 60/090678  
 PRIOR FILING DATE: 1998-06-25  
 PRIOR APPLICATION NUMBER: 60/090690  
 PRIOR FILING DATE: 1998-06-25  
 PRIOR APPLICATION NUMBER: 60/090694  
 PRIOR FILING DATE: 1998-06-25  
 PRIOR APPLICATION NUMBER: 60/090695  
 PRIOR FILING DATE: 1998-06-25  
 PRIOR APPLICATION NUMBER: 60/090696  
 PRIOR FILING DATE: 1998-06-25  
 PRIOR APPLICATION NUMBER: 60/090862  
 PRIOR FILING DATE: 1998-06-26  
 PRIOR APPLICATION NUMBER: 60/090863  
 PRIOR FILING DATE: 1998-06-26  
 PRIOR APPLICATION NUMBER: 60/091360  
 PRIOR FILING DATE: 1998-07-01  
 PRIOR APPLICATION NUMBER: 60/091478  
 PRIOR FILING DATE: 1998-07-02  
 PRIOR APPLICATION NUMBER: 60/091544  
 PRIOR FILING DATE: 1998-07-01  
 PRIOR APPLICATION NUMBER: 60/091519  
 PRIOR FILING DATE: 1998-07-02  
 PRIOR APPLICATION NUMBER: 60/091626  
 PRIOR FILING DATE: 1998-07-02  
 PRIOR APPLICATION NUMBER: 60/091633  
 PRIOR FILING DATE: 1998-07-02  
 PRIOR APPLICATION NUMBER: 60/091978  
 PRIOR FILING DATE: 1998-07-07  
 PRIOR APPLICATION NUMBER: 60/091982  
 PRIOR FILING DATE: 1998-07-07  
 PRIOR APPLICATION NUMBER: 60/092182  
 PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 3; Length 105;  
 Best Local Similarity 100.0%; Pred. No. 1,4e-53;  
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLTVVSDCAVITGACERDVOCGAGTCAISLWRLGRLMCTPLRREGSEC 60  
 DB 1 MRGATRVSIMLLTVVSDCAVITGACERDVOCGAGTCAISLWRLGRLMCTPLRREGSEC 60  
 QY 61 HPGSHKVPFRRKRKHHTCPCLPNLLGSRFPDGRYRCSDMLDNINP 105  
 DB 61 HPGSHKVPFRRKRKHHTCPCLPNLLGSRFPDGRYRCSDMLDNINP 105

RESULT 12  
 US-09-989-721-371  
 Sequence 371, Application US/09989721  
 Patent No. US20020142961A1  
 GENERAL INFORMATION:  
 APPLICANT: Ashkenazi, Avi J.  
 APPLICANT: Baker, Kevin P.  
 APPLICANT: Botstein, David  
 APPLICANT: Deanoysers, Luc  
 APPLICANT: Eaton, Dan L.

APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Getter, Hanspeter  
APPLICANT: Gettisen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Kijavlin, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OR INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2730P1C55  
CURRENT APPLICATION NUMBER: US/09/989,721  
CURRENT FILING DATE: 2001-11-19  
PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-06-16  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/065186  
PRIOR FILING DATE: 1997-11-12  
PRIOR APPLICATION NUMBER: 60/065311  
PRIOR FILING DATE: 1997-11-13  
PRIOR APPLICATION NUMBER: 60/066770  
PRIOR FILING DATE: 1997-11-24  
PRIOR APPLICATION NUMBER: 60/075945  
PRIOR FILING DATE: 1998-02-25  
PRIOR APPLICATION NUMBER: 60/078910  
PRIOR FILING DATE: 1998-03-20  
PRIOR APPLICATION NUMBER: 60/083322  
PRIOR FILING DATE: 1998-04-28  
PRIOR APPLICATION NUMBER: 60/084600  
PRIOR FILING DATE: 1998-05-07  
PRIOR APPLICATION NUMBER: 60/087106  
PRIOR FILING DATE: 1998-05-28  
PRIOR APPLICATION NUMBER: 60/087607  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087609  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087759  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087827  
PRIOR FILING DATE: 1998-06-03  
PRIOR APPLICATION NUMBER: 60/088021  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088025  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088026  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088028  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088029  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088030  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088033  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088326  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088167  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088202  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088212  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088217  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088655  
PRIOR FILING DATE: 1998-06-09  
PRIOR APPLICATION NUMBER: 60/088734  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088738  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088742  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088810  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088824  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088826  
PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088858  
PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/088861  
PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/088876  
PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/089105  
PRIOR FILING DATE: 1998-06-12  
PRIOR APPLICATION NUMBER: 60/089440  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089512  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089514  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089532  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089538  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089598  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089599  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089600  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089653  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089801  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089907  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089908  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089947  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/089948  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/089952  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/090246  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090252  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090254  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090349  
PRIOR FILING DATE: 1998-06-23  
PRIOR APPLICATION NUMBER: 60/090355  
PRIOR FILING DATE: 1998-06-23  
PRIOR APPLICATION NUMBER: 60/090429  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090431  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090435  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090444  
PRIOR FILING DATE: 1998-06-24

;; PRIOR APPLICATION NUMBER: 60/090445  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090472  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090535  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090540  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090542  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090557  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090676  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090678  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090690  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090694  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090695  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090696  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090862  
;; PRIOR FILING DATE: 1998-06-26  
;; PRIOR APPLICATION NUMBER: 60/090863  
;; PRIOR FILING DATE: 1998-06-26  
;; PRIOR APPLICATION NUMBER: 60/091360  
;; PRIOR FILING DATE: 1998-07-01  
;; PRIOR APPLICATION NUMBER: 60/091478  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091544  
;; PRIOR FILING DATE: 1998-07-01  
;; PRIOR APPLICATION NUMBER: 60/091519  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091626  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091633  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091978  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/091982  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 3; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1,4e-53;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MGRATRVSMILLVTVSDCAVITGACERDVOCGAGTCCATISIMLRLGMLCTPLRGREGEC 60  
Db 1 MGRATRVSMILLVTVSDCAVITGACERDVOCGAGTCCATISIMLRLGMLCTPLRGREGEC 60  
Qy 61 HPGSHKVPFPRKRRKHTPCCLNLLCSRPDPGRYRCSMDLKNINP 105  
Db 61 HPGSHKVPFPRKRRKHTPCCLNLLCSRPDPGRYRCSMDLKNINP 105

RESULT 13  
US-09-992-598-371  
; Sequence 371, Application US/09992598  
; Patent No. US20020160384A1

;; GENERAL INFORMATION:  
;; APPLICANT: Ashkenazi, Avi J.  
;; APPLICANT: Baker, Kevin P.  
;; APPLICANT: Botstein, David  
;; APPLICANT: Desnoyers, Luc  
;; APPLICANT: Eaton, Dan L.  
;; APPLICANT: Ferrara, Napoleone  
;; APPLICANT: Fong, Sherman  
;; APPLICANT: Gerber, Hanspeter

;; APPLICANT: Gettisen, Mary E.  
;; APPLICANT: Goddard, Audrey  
;; APPLICANT: Godowski, Paul J.  
;; APPLICANT: Grimaldi, J. Christopher  
;; APPLICANT: Gurney, Austin L.  
;; APPLICANT: Kijavini, Ivar J.  
;; APPLICANT: Napier, Mary A.  
;; APPLICANT: Pan, James  
;; APPLICANT: Paoni, Nicholas F.  
;; APPLICANT: Roy, Margaret Ann  
;; APPLICANT: Stewart, Timothy A.  
;; APPLICANT: Tumas, Daniel  
;; APPLICANT: Watanabe, Colin K.  
;; APPLICANT: Williams, P. Mickey  
;; APPLICANT: Wood, William I.  
;; APPLICANT: Zhang, Zemin  
;; TITLE OF INVENTION: Secured and Transmembrane Polypeptides and Nucleic  
;; TITLE OF INVENTION: Acids Encoding the Same  
;; FILE REFERENCE: P2730P1C20  
;; CURRENT APPLICATION NUMBER: US/09/992,598  
;; PRIOR FILING DATE: 2001-11-14  
;; PRIOR APPLICATION NUMBER: 60/049787  
;; PRIOR FILING DATE: 1997-06-16  
;; PRIOR APPLICATION NUMBER: 60/062250  
;; PRIOR FILING DATE: 1997-10-17  
;; PRIOR APPLICATION NUMBER: 60/065186  
;; PRIOR FILING DATE: 1997-11-12  
;; PRIOR APPLICATION NUMBER: 60/065311  
;; PRIOR FILING DATE: 1997-11-13  
;; PRIOR APPLICATION NUMBER: 60/066770  
;; PRIOR FILING DATE: 1997-11-24  
;; PRIOR APPLICATION NUMBER: 60/075945  
;; PRIOR FILING DATE: 1998-02-25  
;; PRIOR APPLICATION NUMBER: 60/078910  
;; PRIOR FILING DATE: 1998-03-20  
;; PRIOR APPLICATION NUMBER: 60/083322  
;; PRIOR FILING DATE: 1998-04-28  
;; PRIOR APPLICATION NUMBER: 60/084600  
;; PRIOR FILING DATE: 1998-05-07  
;; PRIOR APPLICATION NUMBER: 60/087106  
;; PRIOR FILING DATE: 1998-05-28  
;; PRIOR APPLICATION NUMBER: 60/087607  
;; PRIOR FILING DATE: 1998-06-02  
;; PRIOR APPLICATION NUMBER: 60/087609  
;; PRIOR FILING DATE: 1998-06-02  
;; PRIOR APPLICATION NUMBER: 60/087759  
;; PRIOR FILING DATE: 1998-06-02  
;; PRIOR APPLICATION NUMBER: 60/087827  
;; PRIOR FILING DATE: 1998-06-03  
;; PRIOR APPLICATION NUMBER: 60/088021  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088025  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088026  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088028  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088029  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088030  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088033  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088326  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088167  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088202  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088212  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088217  
;; PRIOR FILING DATE: 1998-06-05

```

; PRIOR APPLICATION NUMBER: 60/088655
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: 60/088734
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088738
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088742
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088810
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088824
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088826
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088858
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088861
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088876
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089440
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089512
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089599
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089600
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089801
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089907
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089908
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089947
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089948
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089952
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/090246
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090252
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090254
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090349
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090355
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090429
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090431
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090435
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090444
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090445
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090472

; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090535
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090540
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090542
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090557
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090676
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090678
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090690
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090694
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090695
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090696
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090862
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/090863
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/091360
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091478
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 1,4e-53;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCAISLMLRGLRMCTPIRGREGEC 60
Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCAISLMLRGLRMCTPIRGREGEC 60

Qy 61 HPSHKVPPFRKXKHTCCPLPMLCSRPFDGRYRCSMDIKNIF 105
Db 61 HPSHKVPPFRKXKHTCCPLPMLCSRPFDGRYRCSMDIKNIF 105

RESULT 14
US-09-886-242A-2
; Sequence 2, Application US/09886242A
; Patent No. US20020172678A1
; GENERAL INFORMATION:
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Matanabe, Colin
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: EG-VEGF NUCLEIC ACIDS AND POLYPEPTIDES
; TITLE OF INVENTION: AND METHODS OF USE
; FILE REFERENCE: GENENT 1516A
; CURRENT APPLICATION NUMBER: US/09/886,242A
; CURRENT FILING DATE: 2001-06-20
; PRIOR APPLICATION NUMBER: US 60/230,978
; PRIOR FILING DATE: 2000-09-07
; PRIOR APPLICATION NUMBER: US 60/213,637
```

;; PRIOR FILING DATE: 2000-06-23  
;; PRIOR APPLICATION NUMBER: US 60/145,698  
;; PRIOR FILING DATE: 1999-07-26  
;; PRIOR APPLICATION NUMBER: US 60/096,146  
;; PRIOR FILING DATE: 1998-08-11  
;; PRIOR APPLICATION NUMBER: PCT/US00/32678  
;; PRIOR FILING DATE: 2000-12-01  
;; PRIOR APPLICATION NUMBER: PCT/US00/08439  
;; PRIOR FILING DATE: 2000-03-30  
;; PRIOR APPLICATION NUMBER: PCT/US00/04914  
;; PRIOR FILING DATE: 2000-02-24  
;; PRIOR APPLICATION NUMBER: PCT/US00/00219  
;; PRIOR FILING DATE: 2000-01-05  
;; PRIOR APPLICATION NUMBER: PCT/US99/12252  
;; PRIOR FILING DATE: 1999-06-02  
;; PRIOR APPLICATION NUMBER: US 09/709,238  
;; PRIOR FILING DATE: 2000-11-08  
;; Remaining Prior Application data removed - See File Wrapper or PALM.  
;; NUMBER OF SEQ ID NOS: 18  
;; SOFTWARE: FastSeq for Windows Version 4.0  
;; SEQ ID NO: 2  
;; LENGTH: 105  
;; TYPE: PRT  
;; ORGANISM: Homo sapiens  
;; FEATURE: 242A-2  
US-09-886-242A-2

Query Match 100.0%; Score 589; DB 3; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1,4e-53;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRGATRVSIMLTVSDCAVITGACERDVCCGAGTCCAILMRLGMLMCTPLRGEGEC 60  
Db 1 MRGATRVSIMLTVSDCAVITGACERDVCCGAGTCCAILMRLGMLMCTPLRGEGEC 60

Qy 61 HPSGHKVPFRKRRKHTCPCLPNLLCSRFPGRRYRCSDMLKNINF 105  
Db 61 HPSGHKVPFRKRRKHTCPCLPNLLCSRFPGRRYRCSDMLKNINF 105

## RESULT 15

US-09-989-293A-371  
Sequence 371, Application US/09989293A  
Patent No. US2002017164A1  
GENERAL INFORMATION:  
APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Desnovers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Kijavits, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paonli, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
Acid Encoding the Same  
FILE REFERENCE: P2730P1C66  
CURRENT APPLICATION NUMBER: US/09/989,293A

;; CURRENT FILING DATE: 2001-11-20  
;; PRIOR APPLICATION NUMBER: 60/049787  
;; PRIOR FILING DATE: 1997-06-16  
;; PRIOR APPLICATION NUMBER: 60/062250  
;; PRIOR FILING DATE: 1997-10-17  
;; PRIOR APPLICATION NUMBER: 60/065186  
;; PRIOR FILING DATE: 1997-11-12  
;; PRIOR APPLICATION NUMBER: 60/065311  
;; PRIOR FILING DATE: 1997-11-13  
;; PRIOR APPLICATION NUMBER: 60/066770  
;; PRIOR FILING DATE: 1997-11-24  
;; PRIOR APPLICATION NUMBER: 60/075945  
;; PRIOR FILING DATE: 1998-02-25  
;; PRIOR APPLICATION NUMBER: 60/078910  
;; PRIOR FILING DATE: 1998-03-20  
;; PRIOR APPLICATION NUMBER: 60/083322  
;; PRIOR FILING DATE: 1998-04-28  
;; PRIOR APPLICATION NUMBER: 60/084600  
;; PRIOR FILING DATE: 1998-05-07  
;; PRIOR APPLICATION NUMBER: 60/087106  
;; PRIOR FILING DATE: 1998-05-28  
;; PRIOR APPLICATION NUMBER: 60/087607  
;; PRIOR FILING DATE: 1998-06-02  
;; PRIOR APPLICATION NUMBER: 60/087609  
;; PRIOR FILING DATE: 1998-06-02  
;; PRIOR APPLICATION NUMBER: 60/087759  
;; PRIOR FILING DATE: 1998-06-02  
;; PRIOR APPLICATION NUMBER: 60/087827  
;; PRIOR FILING DATE: 1998-06-03  
;; PRIOR APPLICATION NUMBER: 60/088021  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088025  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088026  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088028  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088029  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088030  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088033  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088326  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088167  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088202  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088212  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088217  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088655  
;; PRIOR FILING DATE: 1998-06-09  
;; PRIOR APPLICATION NUMBER: 60/088734  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088738  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088742  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088810  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088824  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088826  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088858  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/088861  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/088876  
;; PRIOR FILING DATE: 1998-06-11

;; PRIOR APPLICATION NUMBER: 60/089105  
;; PRIOR FILING DATE: 1998-06-12  
;; PRIOR APPLICATION NUMBER: 60/089440  
;; PRIOR FILING DATE: 1998-06-16  
;; PRIOR APPLICATION NUMBER: 60/089512  
;; PRIOR FILING DATE: 1998-06-16  
;; PRIOR APPLICATION NUMBER: 60/089514  
;; PRIOR FILING DATE: 1998-06-16  
;; PRIOR APPLICATION NUMBER: 60/089532  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089538  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089598  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089599  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089600  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089653  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089801  
;; PRIOR FILING DATE: 1998-06-18  
;; PRIOR APPLICATION NUMBER: 60/089907  
;; PRIOR FILING DATE: 1998-06-18  
;; PRIOR APPLICATION NUMBER: 60/089908  
;; PRIOR FILING DATE: 1998-06-18  
;; PRIOR APPLICATION NUMBER: 60/089947  
;; PRIOR FILING DATE: 1998-06-19  
;; PRIOR APPLICATION NUMBER: 60/089948  
;; PRIOR FILING DATE: 1998-06-19  
;; PRIOR APPLICATION NUMBER: 60/089952  
;; PRIOR FILING DATE: 1998-06-19  
;; PRIOR APPLICATION NUMBER: 60/090246  
;; PRIOR FILING DATE: 1998-06-22  
;; PRIOR APPLICATION NUMBER: 60/090252  
;; PRIOR FILING DATE: 1998-06-22  
;; PRIOR APPLICATION NUMBER: 60/090254  
;; PRIOR FILING DATE: 1998-06-22  
;; PRIOR APPLICATION NUMBER: 60/090349  
;; PRIOR FILING DATE: 1998-06-23  
;; PRIOR APPLICATION NUMBER: 60/090355  
;; PRIOR FILING DATE: 1998-06-23  
;; PRIOR APPLICATION NUMBER: 60/090429  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090431  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090435  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090444  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090445  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090472  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090535  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090540  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090542  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090557  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090676  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090678  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090690  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090694  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090695  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090696

;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090862  
;; PRIOR FILING DATE: 1998-06-26  
;; PRIOR APPLICATION NUMBER: 60/090863  
;; PRIOR FILING DATE: 1998-06-26  
;; PRIOR APPLICATION NUMBER: 60/091360  
;; PRIOR FILING DATE: 1998-07-01  
;; PRIOR APPLICATION NUMBER: 60/091478  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091544  
;; PRIOR FILING DATE: 1998-07-01  
;; PRIOR APPLICATION NUMBER: 60/091519  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091626  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091633  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091978  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/091982  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 589; DB 3; Length 105;  
Best Local Similarity 100.0%; Pred. No. 1.4e-53; Indels 0; Gaps 0;  
Matches 105; Conservative 0; Mismatches 0;

Qy 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCALISLWLRGLRMCTPIGRGEECC 60  
|||  
Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCALISLWLRGLRMCTPIGRGEECC 60  
Qy 61 HPGSHKVFFPRKRRKHTCPCLPMLCSRFPDGRYRCSMDLKNINP 105  
|||||  
Db 61 HPGSHKVFFPRKRRKHTCPCLPMLCSRFPDGRYRCSMDLKNINP 105

Search completed: March 30, 2006, 17:50:07  
Job time : 169 secs

GenCore version 5.1.7  
Copyright (c) 1993 - 2006 Bioacceleration Ltd.

OM protein - protein search, using sw model

Run on: March 30, 2006, 17:47:27 ; Search time 25 Seconds  
(without alignments)  
127.856 Million cell updates/sec

Title: US-10-692-299-2

Perfect score: 589  
Sequence: 1 MRGATRVSMILLVTSDCA.....CSRPPDGRYRSMDLKNINF 105

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 180808 seqs, 30441898 residues

Total number of hits satisfying chosen parameters: 180808

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database :

Published Applications AA New:  
1: /SID55/ptodata/1/pubpaa/US08\_NEW\_PUB pep.\*  
2: /SID55/ptodata/1/pubpaa/US06\_NEW\_PUB pep.\*  
3: /SID55/ptodata/1/pubpaa/US07\_NEW\_PUB pep.\*  
4: /SID55/ptodata/1/pubpaa/US09\_NEW\_PUB pep.\*  
5: /SID55/ptodata/1/pubpaa/US10\_NEW\_PUB pep.\*  
6: /SID55/ptodata/1/pubpaa/US11\_NEW\_PUB pep.\*  
7: /SID55/ptodata/1/pubpaa/US12\_NEW\_PUB pep.\*  
8: /SID55/ptodata/1/pubpaa/US13\_NEW\_PUB pep.\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	589	100.0	105	US-10-131-826A-470	Sequence 470, App
2	589	100.0	105	US-10-973-115B-470	Sequence 470, App
3	588	99.8	105	US-10-475-075-194	Sequence 194, App
4	582	98.8	105	US-10-475-075-193	Sequence 193, App
5	582	98.8	105	US-10-475-075-477	Sequence 477, App
6	580	98.5	105	US-11-073-420-31	Sequence 31, App
7	572	97.1	105	US-11-073-420-28	Sequence 28, App
8	498	84.6	86	US-11-073-420-11	Sequence 11, App
9	455	77.2	86	US-11-073-420-12	Sequence 12, App
10	413	70.1	86	US-11-073-420-17	Sequence 17, App
11	376	63.8	81	US-11-073-420-16	Sequence 16, App
12	315	53.5	80	US-11-073-420-15	Sequence 15, App
13	300	50.9	108	US-11-073-420-6	Sequence 6, App
14	291	49.4	81	US-11-073-420-9	Sequence 9, App
15	286	48.6	80	US-11-073-420-10	Sequence 10, App
16	284	48.2	81	US-11-073-420-37	Sequence 37, App
17	267.5	45.4	77	US-11-073-420-14	Sequence 14, App
18	250.5	42.5	75	US-11-073-420-13	Sequence 13, App
19	107.5	18.3	224	US-11-255-790-5	Sequence 5, App
20	107.5	18.3	350	US-11-255-790-8	Sequence 8, App
21	102	17.3	179	US-11-255-790-11	Sequence 11, App
22	102	17.3	263	US-11-255-790-21	Sequence 21, App
23	101	17.1	272	US-11-255-790-36	Sequence 36, App
24	100.5	17.1	215	US-11-072-512-2196	Sequence 2196, App
25	100.5	17.1	350	US-10-063-703-8	Sequence 8, App

26	100.5	17.1	350	US-11-102-240-8	Sequence 8, App
27	100.5	17.1	350	US-11-103-195-8	Sequence 8, App
28	100.5	17.1	350	US-11-255-790-2	Sequence 2, App
29	98.5	16.7	349	US-11-255-790-17	Sequence 17, App
30	97	16.5	266	US-10-131-826A-428	Sequence 428, App
31	97	16.5	266	US-10-973-115B-428	Sequence 428, App
32	97	16.5	266	US-11-255-790-8	Sequence 8, App
33	97	16.5	280	US-10-821-234-1307	Sequence 1307, App
34	95.5	16.2	259	US-11-255-790-37	Sequence 37, App
35	83.5	14.2	508	US-10-915-160-2	Sequence 2, App
36	81.5	13.8	446	US-11-072-512-2665	Sequence 2665, App
37	81	13.8	1170	US-11-114-962-5	Sequence 5, App
38	79	13.4	1664	US-10-055-877-212	Sequence 212, App
39	75.5	12.8	1574	US-10-055-877-211	Sequence 211, App
40	75	12.7	1379	US-11-114-962-4	Sequence 4, App
41	74.5	12.6	451	US-10-915-160-6	Sequence 6, App
42	74	12.6	1620	US-10-055-877-213	Sequence 213, App
43	73.5	12.5	2440	US-10-766-317-10	Sequence 10, App
44	73	12.4	87	US-11-255-790-25	Sequence 25, App
45	73	12.4	235	US-11-126-126-16	Sequence 16, App

#### ALIGNMENTS

RESULT 1  
US-10-131-826A-470  
Sequence 470, Application US/10131826A  
Publication No. US20050245730A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Beresini, Laureen  
APPLICANT: DeForge, Luc  
APPLICANT: Desnoyers, Luc  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Sherwood, Steven  
APPLICANT: Smith, Victoria  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tuman, Daniel  
APPLICANT: Watanabe, Colin K  
APPLICANT: Wood, William  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P330R1C128  
CURRENT APPLICATION NUMBER: US/10/131, 826A  
CURRENT FILING DATE: 2002-04-24  
PRIOR APPLICATION NUMBER: 60/049911  
PRIOR FILING DATE: 1997-06-18  
PRIOR APPLICATION NUMBER: 60/056974  
PRIOR FILING DATE: 1997-08-26  
PRIOR APPLICATION NUMBER: 60/059113  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059115  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059117  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059122  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059184  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059263  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/059352  
PRIOR FILING DATE: 1997-09-19  
PRIOR APPLICATION NUMBER: 60/059588  
PRIOR FILING DATE: 1997-09-19  
Remaining Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 550  
SEQ ID NO 470  
LENGTH: 105  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-131-826A-470

Query Match 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-56;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCAISLWRLGRLMCTPLGRGSEEC 60  
DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCAISLWRLGRLMCTPLGRGSEEC 60  
QY 61 HPGSHKVPFFRKRRKHTCPCLPNLLCSRPDPGRYRCMDLKNINF 105  
DB 61 HPGSHKVPFFRKRRKHTCPCLPNLLCSRPDPGRYRCMDLKNINF 105

## RESULT 2

US-10-973-115B-470  
Sequence 470, Application US/10973115B  
Publication No. US20060040351A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Beresini, Maureen  
APPLICANT: Deforge, Laura  
APPLICANT: Desnoyers, Luc  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Gao, Wei-Oulang  
APPLICANT: Gerltsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul  
APPLICANT: Gurney, Austin L.  
APPLICANT: Sherwood, Steven  
APPLICANT: Smith, Victoria  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tuma, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING  
TITLE OF INVENTION: SAME  
FILE REFERENCE: 39870-3330RIC300C1  
CURRENT APPLICATION NUMBER: US/10/973,115B  
CURRENT FILING DATE: 2004-10-22  
PRIOR APPLICATION NUMBER: US 10/145,747  
PRIOR FILING DATE: 2002-05-14  
PRIOR APPLICATION NUMBER: US 10/028,072  
PRIOR FILING DATE: 2001-12-19  
PRIOR APPLICATION NUMBER: PCT/US00/32678  
PRIOR FILING DATE: 2000-12-01  
PRIOR APPLICATION NUMBER: US 09/581,742  
PRIOR FILING DATE: 2000-06-16  
PRIOR APPLICATION NUMBER: PCT/US00/05746  
PRIOR FILING DATE: 2000-03-02  
PRIOR APPLICATION NUMBER: US 60/135,736  
PRIOR FILING DATE: 1999-05-25  
PRIOR APPLICATION NUMBER: US 60/123,090  
PRIOR FILING DATE: 1999-03-05  
NUMBER OF SEQ ID NOS: 550  
SEQ ID NO 470  
LENGTH: 105  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-973-115B-470

Query Match 100.0%; Score 589; DB 6; Length 105;  
Best Local Similarity 100.0%; Pred. No. 2.5e-56;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCAISLWRLGRLMCTPLGRGSEEC 60

DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCAISLWRLGRLMCTPLGRGSEEC 60  
QY 61 HPGSHKVPFFRKRRKHTCPCLPNLLCSRPDPGRYRCMDLKNINF 105  
DB 61 HPGSHKVPFFRKRRKHTCPCLPNLLCSRPDPGRYRCMDLKNINF 105

RESULT 3  
US-10-475-075-194  
Sequence 194, Application US/10475075  
Publication No. US20060053498A1  
GENERAL INFORMATION:  
APPLICANT: Bejani, Stephanie  
APPLICANT: Tanaka, Hiroaki  
APPLICANT: Dumas Malne Edwards, Jean-Baptiste  
APPLICANT: Jobert, Severin  
APPLICANT: Giordano, Jean-Yves  
TITLE OF INVENTION: Full-length human cDNAs encoding potentially secreted proteins  
FILE REFERENCE: G-081US03PCT  
CURRENT APPLICATION NUMBER: US/10/475,075  
CURRENT FILING DATE: 2003-10-17  
PRIOR APPLICATION NUMBER: PCT/IB01/00914  
PRIOR FILING DATE: 2001-04-18  
NUMBER OF SEQ ID NOS: 918  
SOFTWARE: Patent.pm  
SEQ ID NO 194  
LENGTH: 105  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: SIGNAL  
LOCATION: -19..-1  
OTHER INFORMATION: Von Heijne matrix  
OTHER INFORMATION: score 7.20796835452081  
OTHER INFORMATION: seq VSIMLLVTVSDC/AV  
US-10-475-075-194

Query Match 99.8%; Score 588; DB 6; Length 105;  
Best Local Similarity 99.0%; Pred. No. 3.2e-56;  
Matches 104; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCAISLWRLGRLMCTPLGRGSEEC 60  
DB 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCAISLWRLGRLMCTPLGRGSEEC 60  
QY 61 HPGSHKVPFFRKRRKHTCPCLPNLLCSRPDPGRYRCMDLKNINF 105  
DB 61 HPGSHKVPFFRKRRKHTCPCLPNLLCSRPDPGRYRCMDLKNINF 105

## RESULT 4

US-10-475-075-193  
Sequence 193, Application US/10475075  
Publication No. US20060053498A1  
GENERAL INFORMATION:  
APPLICANT: Bejani, Stephanie  
APPLICANT: Tanaka, Hiroaki  
APPLICANT: Dumas Malne Edwards, Jean-Baptiste  
APPLICANT: Jobert, Severin  
APPLICANT: Giordano, Jean-Yves  
TITLE OF INVENTION: Full-length human cDNAs encoding potentially secreted proteins  
FILE REFERENCE: G-081US03PCT  
CURRENT APPLICATION NUMBER: US/10/475,075  
CURRENT FILING DATE: 2003-10-17  
PRIOR APPLICATION NUMBER: PCT/IB01/00914  
PRIOR FILING DATE: 2001-04-18  
NUMBER OF SEQ ID NOS: 918  
SOFTWARE: Patent.pm  
SEQ ID NO 193  
LENGTH: 105  
TYPE: PRT  
ORGANISM: Homo sapiens

```

FEATURE:
NAME/KEY: SIGNAL
LOCATION: -19...-1
OTHER INFORMATION: Von Heijne matrix
OTHER INFORMATION: score 7.20796835452081
OTHER INFORMATION: seq VSMILLVTVSDC/AV
FEATURE:
NAME/KEY: unsure
LOCATION: 37
OTHER INFORMATION: Xaa = Glu or *
US-10-475-075-193

```

```

Query Match      98.8%; Score 582; DB 6; Length 105;
Best Local Similarity 98.1%; Pred. No. 1.4e-55;
Matches 103; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

```

```

Oy 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCAIISLWRLGRLMCTPIGRBEGEC 60
Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCAIISLWRLGRLMCTPIGRBEGEC 60
Oy 61 HPGSHKVPFPRKRKHHTCPCLPNLLCSRFPDGRYRCSMDLKNINF 105
Db 61 HPGSHKVPFPRKRKHHTCPCLPNLLCSRFPDGRYRCSMDLKNINF 105

```

## RESULT 5

```

US-10-475-075-477
Sequence 477; Application US/10475075
Publication No. US20060053498A1

```

```

GENERAL INFORMATION:
APPLICANT: Benjamin, Stephane
APPLICANT: Tanaka, Hiroaki
APPLICANT: Dumas Milne Edwards, Jean-Baptiste
APPLICANT: Jobert, Severin
APPLICANT: Giordano, Jean-Yves
TITLE OF INVENTION: Full-length human cDNAs encoding potentially secreted proteins
FILE REFERENCE: G-0810S03PCT
CURRENT FILING DATE: 2003-10-17
PRIORITY FILING DATE: 2003-10-17
PRIORITY FILING DATE: PCT/IB01/00914
PRIORITY FILING DATE: 2001-04-18
NUMBER OF SEQ ID NOS: 918
SOFTWARE: Patent.ppt
SEQ ID NO 477
LENGTH: 105
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SIGNAL
LOCATION: -19...-1
FEATURE:
NAME/KEY: UNSURE
LOCATION: 37
OTHER INFORMATION: Xaa = Lys or *
US-10-475-075-477

```

```

Query Match      98.8%; Score 582; DB 6; Length 105;
Best Local Similarity 98.1%; Pred. No. 1.4e-55;
Matches 103; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

```

```

Oy 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCAIISLWRLGRLMCTPIGRBEGEC 60
Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCAIISLWRLGRLMCTPIGRBEGEC 60
Oy 61 HPGSHKVPFPRKRKHHTCPCLPNLLCSRFPDGRYRCSMDLKNINF 105
Db 61 HPGSHKVPFPRKRKHHTCPCLPNLLCSRFPDGRYRCSMDLKNINF 105

```

## RESULT 6

```

US-11-073-420-31
Sequence 31; Application US/11073420
Publication No. US20060019338A1

```

```

GENERAL INFORMATION:
APPLICANT: THE REGENENTS OF THE UNIVERSITY OF CALIFORNIA
APPLICANT: Zhou, Qun-Yong
TITLE OF INVENTION: Primate Prokineticin and Prokineticin
TITLE OF INVENTION: Receptor Polypeptides, Related Compositions and Methods
FILE REFERENCE: UCI1210-1
CURRENT FILING DATE: 2005-03-04
PRIORITY FILING DATE: 2005-03-04
PRIORITY FILING DATE: 2004-03-05
NUMBER OF SEQ ID NOS: 38
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 31
LENGTH: 105
TYPE: PRT
ORGANISM: Homo sapiens
US-11-073-420-31

```

```

Query Match      98.5%; Score 580; DB 7; Length 105;
Best Local Similarity 98.1%; Pred. No. 2.3e-55;
Matches 103; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

```

```

Oy 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCAIISLWRLGRLMCTPIGRBEGEC 60
Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCAIISLWRLGRLMCTPIGRBEGEC 60
Oy 61 HPGSHKVPFPRKRKHHTCPCLPNLLCSRFPDGRYRCSMDLKNINF 105
Db 61 HPGSHKVPFPRKRKHHTCPCLPNLLCSRFPDGRYRCSMDLKNINF 105

```

## RESULT 7

```

US-11-073-420-28
Sequence 28; Application US/11073420
Publication No. US20060019338A1

```

```

GENERAL INFORMATION:
APPLICANT: THE REGENENTS OF THE UNIVERSITY OF CALIFORNIA
APPLICANT: Zhou, Qun-Yong
TITLE OF INVENTION: Primate Prokineticin and Prokineticin
TITLE OF INVENTION: Receptor Polypeptides, Related Compositions and Methods
FILE REFERENCE: UCI1210-1
CURRENT FILING DATE: 2005-03-04
PRIORITY FILING DATE: 2005-03-04
PRIORITY FILING DATE: 2004-03-05
NUMBER OF SEQ ID NOS: 38
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 28
LENGTH: 105
TYPE: PRT
ORGANISM: Macaca mulatta
FEATURE:
NAME/KEY: SIGNAL
LOCATION: (1)...(19)
US-11-073-420-28

```

```

Query Match      97.1%; Score 572; DB 7; Length 105;
Best Local Similarity 97.1%; Pred. No. 1.6e-54;
Matches 102; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```

```

Oy 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCAIISLWRLGRLMCTPIGRBEGEC 60
Db 1 MRGATRVSIMLLVTVSDCAVITGACERDVQCGAGTCCAIISLWRLGRLMCTPIGRBEGEC 60
Oy 61 HPGSHKVPFPRKRKHHTCPCLPNLLCSRFPDGRYRCSMDLKNINF 105
Db 61 HPGSHKVPFPRKRKHHTCPCLPNLLCSRFPDGRYRCSMDLKNINF 105

```

## RESULT 8

```

US-11-073-420-11
Sequence 11; Application US/11073420
Publication No. US20060019338A1

```

```

; GENERAL INFORMATION:
; APPLICANT: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
; APPLICANT: Zhou, Qun-Yong
; TITLE OF INVENTION: Primate Prokineticin and Prokineticin
; TITLE OF INVENTION: Receptor Polypeptides, Related Compositions and Methods
; FILE REFERENCE: UC11210-1
; CURRENT APPLICATION NUMBER: US/11/073,420
; CURRENT FILING DATE: 2005-03-04
; PRIOR APPLICATION NUMBER: 60/550,753
; PRIOR FILING DATE: 2004-03-05
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: FaestSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 86
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-11-073-420-11

Query Match      84.6%; Score 498; DB 7; Length 86;
Best Local Similarity 100.0%; Pred. No. 1,2e-46;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 20 AVTTGACERDVOCGAGTCCCAISLMLRGLMCTPLGRGEGECHPGSHKVPFFRRKXHTCP 79
DB 1 AVTTGACERDVOCGAGTCCCAISLMLRGLMCTPLGRGEGECHPGSHKVPFFRRKXHTCP 60
QY 80 CLPNLCSRFPDGRYRCSDMLKNINF 105
DB 61 CLPNLCSRFPDGRYRCSDMLKNINF 86

RESULT 9
US-11-073-420-12
; Sequence 12, Application US/11073420
; Publication No. US20060019338A1
; GENERAL INFORMATION:
; APPLICANT: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
; APPLICANT: Zhou, Qun-Yong
; TITLE OF INVENTION: Primate Prokineticin and Prokineticin
; TITLE OF INVENTION: Receptor Polypeptides, Related Compositions and Methods
; FILE REFERENCE: UC11210-1
; CURRENT APPLICATION NUMBER: US/11/073,420
; CURRENT FILING DATE: 2005-03-04
; PRIOR APPLICATION NUMBER: 60/550,753
; PRIOR FILING DATE: 2004-03-05
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: FaestSeq for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 86
; TYPE: PRT
; ORGANISM: Mus musculus
; US-11-073-420-12

Query Match      77.2%; Score 455; DB 7; Length 86;
Best Local Similarity 88.4%; Pred. No. 4,7e-42;
Matches 76; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

QY 20 AVTTGACERDVOCGAGTCCCAISLMLRGLMCTPLGRGEGECHPGSHKVPFFRRKXHTCP 79
DB 1 AVTTGACERDVOCGAGTCCCAISLMLRGLMCTPLGRGEGECHPGSHKVPFFRRKXHTCP 60
QY 80 CLPNLCSRFPDGRYRCSDMLKNINF 105
DB 61 CLPNLCSRFPDGRYRCSDMLKNINF 86

RESULT 10
US-11-073-420-17
; Sequence 17, Application US/11073420
; Publication No. US20060019338A1
; GENERAL INFORMATION:
; APPLICANT: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
; APPLICANT: Zhou, Qun-Yong

```

```

; TITLE OF INVENTION: Primate Prokineticin and Prokineticin
; TITLE OF INVENTION: Receptor Polypeptides, Related Compositions and Methods
; FILE REFERENCE: UC11210-1
; CURRENT APPLICATION NUMBER: US/11/073,420
; CURRENT FILING DATE: 2005-03-04
; PRIOR APPLICATION NUMBER: 60/550,753
; PRIOR FILING DATE: 2004-03-05
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: FaestSeq for Windows Version 4.0
; SEQ ID NO 17
; LENGTH: 86
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-11-073-420-17

Query Match      70.1%; Score 413; DB 7; Length 86;
Best Local Similarity 76.7%; Pred. No. 1,5e-37;
Matches 66; Conservative 12; Mismatches 8; Indels 0; Gaps 0;

QY 20 AVTTGACERDVOCGAGTCCCAISLMLRGLMCTPLGRGEGECHPGSHKVPFFRRKXHTCP 79
DB 1 AVTTGACDVOCGAGTCCCAISLMLRGLMCTPLGRGEGECHPGSHKVPFFRRKXHTCP 60
QY 80 CLPNLCSRFPDGRYRCSDMLKNINF 105
DB 61 CLPNLCSRFPDGRYRCSDMLKNINF 86

RESULT 11
US-11-073-420-16
; Sequence 16, Application US/11073420
; Publication No. US20060019338A1
; GENERAL INFORMATION:
; APPLICANT: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
; APPLICANT: Zhou, Qun-Yong
; TITLE OF INVENTION: Primate Prokineticin and Prokineticin
; TITLE OF INVENTION: Receptor Polypeptides, Related Compositions and Methods
; FILE REFERENCE: UC11210-1
; CURRENT APPLICATION NUMBER: US/11/073,420
; CURRENT FILING DATE: 2005-03-04
; PRIOR APPLICATION NUMBER: 60/550,753
; PRIOR FILING DATE: 2004-03-05
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: FaestSeq for Windows Version 4.0
; SEQ ID NO 16
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-11-073-420-16

Query Match      63.8%; Score 376; DB 7; Length 81;
Best Local Similarity 84.4%; Pred. No. 1,3e-33;
Matches 65; Conservative 2; Mismatches 10; Indels 0; Gaps 0;

QY 20 AVTTGACERDVOCGAGTCCCAISLMLRGLMCTPLGRGEGECHPGSHKVPFFRRKXHTCP 79
DB 1 AVTTGACERDVOCGAGTCCCAISLMLRGLMCTPLGRGEGECHPGSHKVPFFRRKXHTCP 60
QY 80 CLPNLCSRFPDGRYRC 96
DB 61 CLPNLCSRFPDGRYRC 77

RESULT 12
US-11-073-420-15
; Sequence 15, Application US/11073420
; Publication No. US20060019338A1
; GENERAL INFORMATION:
; APPLICANT: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
; APPLICANT: Zhou, Qun-Yong
; TITLE OF INVENTION: Primate Prokineticin and Prokineticin
; TITLE OF INVENTION: Receptor Polypeptides, Related Compositions and Methods
; FILE REFERENCE: UC11210-1

```

CURRENT APPLICATION NUMBER: US/11/073,420  
 CURRENT FILING DATE: 2005-03-04  
 PRIOR APPLICATION NUMBER: 60/550,753  
 PRIOR FILING DATE: 2004-03-05  
 NUMBER OF SEQ ID NOS: 38  
 SOFTWARE: FastSeq for Windows Version 4.0  
 SEQ ID NO 15  
 LENGTH: 80  
 TYPE: PRT  
 ORGANISM: Serpentes Linnaeus  
 US-11-073-420-15

Query Match 53.5%; Score 315; DB 7; Length 80;  
 Best Local Similarity 62.3%; Pred. No. 4.3e-27;  
 Matches 48; Conservative 14; Mismatches 15; Indels 0; Gaps 0;

Qy 20 AVTGACRDVQCGAGTCCALISLWRLGRLMCTPLGRGEGECHPGSHKVPFRKRKHHTCP 79  
 Db 1 AVTGACRDVQCGAGTCCALISLWRLGRLMCTPLGRGEGECHPGSHKVPFRKRKHHTCP 60

Qy 80 CLPNLCSRPPDGRYRC 96  
 Db 61 CAPNLACVQTSKPKKFC 77

RESULT 13  
 US-11-073-420-6  
 Sequence 6, Application US/11073420  
 Publication No. US20060019338A1

GENERAL INFORMATION:  
 APPLICANT: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA  
 APPLICANT: Zhou, Qun-Yong  
 TITLE OF INVENTION: Primate Prokineticin and Prokineticin  
 TITLE OF INVENTION: Receptor Polypeptides, Related Compositions and Methods  
 FILE REFERENCE: UCI1210-1  
 CURRENT APPLICATION NUMBER: US/11/073,420  
 CURRENT FILING DATE: 2005-03-04  
 PRIOR APPLICATION NUMBER: 60/550,753  
 PRIOR FILING DATE: 2004-03-05  
 NUMBER OF SEQ ID NOS: 38  
 SOFTWARE: FastSeq for Windows Version 4.0  
 SEQ ID NO 6  
 LENGTH: 108  
 TYPE: PRT  
 ORGANISM: Macaca mulatta  
 FEATURE:  
 NAME/KEY: SIGNAL  
 LOCATION: (1)...(27)  
 US-11-073-420-6

Query Match 50.9%; Score 300; DB 7; Length 108;  
 Best Local Similarity 55.2%; Pred. No. 2.3e-25;  
 Matches 48; Conservative 15; Mismatches 24; Indels 0; Gaps 0;

Qy 10 MLTLTVSDCAVITGACRDVQCGAGTCCALISLWRLGRLMCTPLGRGEGECHPGSHKVP 69  
 Db 18 LLTTPRVGDAAVITGACRDVQCGAGTCCALISLWRLGRLMCTPLGRGEGECHPGSHKVP 77

Qy 70 FRKRKHHTCPCLPNLCSRPPDGRYRC 96  
 Db 78 VGRRMHHTCPCLPNLCSRPPDGRYRC 104

RESULT 14  
 US-11-073-420-9  
 Sequence 9, Application US/11073420  
 Publication No. US20060019338A1

GENERAL INFORMATION:  
 APPLICANT: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA  
 APPLICANT: Zhou, Qun-Yong  
 TITLE OF INVENTION: Primate Prokineticin and Prokineticin  
 TITLE OF INVENTION: Receptor Polypeptides, Related Compositions and Methods  
 FILE REFERENCE: UCI1210-1

CURRENT APPLICATION NUMBER: US/11/073,420  
 CURRENT FILING DATE: 2005-03-04  
 PRIOR APPLICATION NUMBER: 60/550,753  
 PRIOR FILING DATE: 2004-03-05  
 NUMBER OF SEQ ID NOS: 38  
 SOFTWARE: FastSeq for Windows Version 4.0  
 SEQ ID NO 9  
 LENGTH: 81  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-11-073-420-9

Query Match 49.4%; Score 291; DB 7; Length 81;  
 Best Local Similarity 58.4%; Pred. No. 1.6e-24;  
 Matches 45; Conservative 14; Mismatches 18; Indels 0; Gaps 0;

Qy 20 AVTGACRDVQCGAGTCCALISLWRLGRLMCTPLGRGEGECHPGSHKVPFRKRKHHTCP 79  
 Db 1 AVTGACRDVQCGAGTCCALISLWRLGRLMCTPLGRGEGECHPGSHKVPFRKRKHHTCP 60

Qy 80 CLPNLCSRPPDGRYRC 96  
 Db 61 CAPNLACVQTSKPKKFC 77

RESULT 15  
 US-11-073-420-10  
 Sequence 10, Application US/11073420  
 Publication No. US20060019338A1

GENERAL INFORMATION:  
 APPLICANT: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA  
 APPLICANT: Zhou, Qun-Yong  
 TITLE OF INVENTION: Primate Prokineticin and Prokineticin  
 TITLE OF INVENTION: Receptor Polypeptides, Related Compositions and Methods  
 FILE REFERENCE: UCI1210-1  
 CURRENT APPLICATION NUMBER: US/11/073,420  
 CURRENT FILING DATE: 2005-03-04  
 PRIOR APPLICATION NUMBER: 60/550,753  
 PRIOR FILING DATE: 2004-03-05  
 NUMBER OF SEQ ID NOS: 38  
 SOFTWARE: FastSeq for Windows Version 4.0  
 SEQ ID NO 10  
 LENGTH: 80  
 TYPE: PRT  
 ORGANISM: Mus musculus  
 US-11-073-420-10

Query Match 48.6%; Score 286; DB 7; Length 80;  
 Best Local Similarity 57.1%; Pred. No. 5.5e-24;  
 Matches 44; Conservative 15; Mismatches 18; Indels 0; Gaps 0;

Qy 20 AVTGACRDVQCGAGTCCALISLWRLGRLMCTPLGRGEGECHPGSHKVPFRKRKHHTCP 79  
 Db 1 AVTGACRDVQCGAGTCCALISLWRLGRLMCTPLGRGEGECHPGSHKVPFRKRKHHTCP 60

Qy 80 CLPNLCSRPPDGRYRC 96  
 Db 61 CAPNLACVQTSKPKKFC 77

Search completed: March 30, 2006, 17:50:37  
 Job time : 26 secs

*This Page Blank (uspto)*